

June 3, 1998

Mr. Ed Joniskan, Project Manager
Indiana Department of Environmental Management
Office of Environmental Response
Voluntary Remediation Program
2525 North Shadeland Avenue
Indianapolis, IN 46206

RE: Voluntary Remediation Program Application

Dear Ed:

Please find enclosed copy of our application to enter into the Voluntary Remediation Program. The original was sent to the Cashiers Office on May 26, 1998. A copy of our cover letter was also sent to you. As of this date we have not received acknowledgment of receipt of our check and application. As you and I have discussed in the past, AlliedSignal wishes to choose the VRP as opposed to other alternatives. Ed, We would greatly appreciate anything you can do to help us achieve our goal of rapid approval and subsequent entry into the Program.

Again, we wish to thank you for your assistance. If there are questions regarding this matter or if you have information about the status of our application please contact me at (219) 231-3412.

Sincerely,



Ray White
Manager Midwest Region
Site Remediation

IDEM Office of Land Quality - Fileroom Startup	
VRP Project Name:	<u>HONEYWELL</u>
VRP#:	<u>6980601</u> File Code: <u>100</u>
Description:	<u>PROGRAM APPLICATION</u>
Confidential?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Deliberative?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Enclosure



AlliedSignal Inc.
Aerospace Equipment Systems
717 North Bendix Drive
South Bend, IN 46620

219 231 3000

May 26, 1998

VIA OVERNIGHT MAIL

Indiana Department of Environmental Management
Attention: Cashier's Office
Voluntary Remediation Program
2525 North Shadeland Avenue
Indianapolis, Indiana 46206-6015

***RE: Application for Admittance into the State of Indiana
Voluntary Remediation Program***

To whom it may concern:

This is to notify you that AlliedSignal wishes to enter our South Bend facility located at 717 North Bendix Drive into the Voluntary Remediation Program. Enclosed herein please find our completed application and check in the amount of \$1,000.00 as required.

Thank you for expediting the process for this application and forwarding it to the appropriate parties. Should there be any need for additional information, please contact the writer at (219) 231-3412.

Sincerely,

A handwritten signature in black ink, appearing to read 'Ray White', written in a cursive style.

Ray White
Midwest Manager
Site Remediation

Enclosures

BRANCHPAY

BRANCHPAY

INVOICE NO.	X 3412 R. WHITE		
INVOICE DATE	5 MO.	26 DAY	98 YEAR
FOR:	ESA		
[REDACTED]			
ACCOUNT NUMBER	VOLUNTARY REMEDIATION PROGRAM		
GOOD ONLY FOR FIELD OPERATING EXPENSES			



AlliedSignal Inc.
Aircraft Landing Systems
3520 Westmoor Street
South Bend, Indiana 46628-1373

COST CENTER	DATE	BRANCHPAY NO.
	5 26 98 MO. DAY YEAR	507345

PAY TO THE ORDER OF INDIANA DEPT OF ENVIRONMENTAL MANAGEMENT
(PAYEE)

ADDRESS 2525 SHADELAND AVE; INDIANAPOLIS, IN 46206
(PLACE - CITY AND STATE)

THE AMOUNT OF One Thousand and no/100 DOLLARS \$ 1,000.00
NOT GOOD FOR MORE THAN \$4000.00

NOT REDEEMABLE FOR CASH BY DRAWER'S AUTHORIZED REPRESENTATIVE

[Signature]
SIGNATURE OF DRAWER'S AUTHORIZED REPRESENTATIVE

PAYABLE THROUGH
NORWEST BANK INDIANA, N.A.
SOUTH BEND, INDIANA 71-52/712

By signing this instrument, each of the aforesigned confirms that this instrument has been drawn in accordance with authority issued by GELCO PAYMENT SYSTEMS, INC. If any statement herein be untrue, we, the aforesigned, agree to pay the drawer upon demand the amount of this instrument and all expenses and damages arising from such misstatement.



Voluntary Remediation Program Application



RETURN COMPLETED APPLICATION TO
Indiana Department of Environmental Management
Office of Environmental Response,
Voluntary Remediation Program
100 North Senate Avenue, Room N-1255
P.O. Box 6015
Indianapolis, Indiana 46206-6015
(317) 233 - 6443

Facility ID Number (IDEM use only)

6191810161011

Account Number

2680 110000

EPA ID Number

IND00054011615

Pursuant to Indiana Code 13-7-8.3-7, your application to the Voluntary Remediation Program (VRP) will receive confidential treatment. Neither the application nor any information which comes from the application will be made available to the public. However, any material submitted to or generated by the VRP after your notification of eligibility, will be considered IDEM public record.

GENERAL	SITE INVESTIGATION (CHECK ALL THAT APPLY): <input type="radio"/> None <input type="radio"/> Ongoing <input checked="" type="radio"/> Complete <input type="radio"/> Formal Workplan Review Requested	SITE REMEDIATION (CHECK ALL THAT APPLY): <input type="radio"/> None <input checked="" type="radio"/> Ongoing <input type="radio"/> Complete	
	CURRENT SITE STATUS: <input checked="" type="radio"/> Active <input type="radio"/> Inactive	YEARS OF OPERATION: 1925 unknown <input type="radio"/> Unknown Beginning Year Ending Year	
	TOWNSHIP, RANGE AND SECTION (OR UTM COORDINATES): See Attachment "B"		

PROPERTY OWNERSHIP	VOLUNTARY CLEANUP APPLICANT	OPERATOR OF FACILITY	
	APPLICANT NAME AlliedSignal	OPERATOR NAME (If Same As Applicant, Mark Oval Here <input checked="" type="radio"/>)	
	MAILING ADDRESS 101 Columbia Road	MAILING ADDRESS	
	Post Office Box 2245		
	CITY STATE Morristown NJ	CITY STATE	
ZIP CODE TELEPHONE 017191612 - 21245 (973) 455 - 2775	ZIP CODE TELEPHONE		

FACILITY LOCATION & DESCRIPTION	FACILITY LOCATION	CONTACT PERSON
	FACILITY NAME (If Same As Applicant, Mark Oval Here <input checked="" type="radio"/>) AlliedSignal Aerospace Equip. Sys.	ORGANIZATION (If Same As Applicant, Mark Oval Here <input checked="" type="radio"/>)
	MAILING ADDRESS (If Same As Applicant, Mark Oval Here <input type="radio"/>) 717 North Bendix Drive	CONTACT PERSON (All Correspondence Will Be Sent To Person Identified) Ray White
	CITY South Bend	MAILING ADDRESS 717 North Bendix Drive
	ZIP CODE COUNTY 46610 - 111 St. Joseph	CITY STATE South Bend IN
	ZIP CODE TELEPHONE 4661210 - 111 (219) 231 - 3412	

BRIEF DESCRIPTION

UNUSUAL SITE HAZARDS / CONDITION (Check all that apply)

<input type="radio"/> Radioactivity	<input type="radio"/> Explosive Conditions	<input checked="" type="radio"/> None
<input type="radio"/> Confined Spaces	<input type="radio"/> Reactive Materials	<input type="radio"/> Other: _____
		<input type="radio"/> Infectious Material Present
		<input type="radio"/> Off-Site Contamination

STANDARD INDUSTRIAL CLASSIFICATION (Select only one)	Official State Use Only
<input type="radio"/> Metal Mining <input type="radio"/> Coal Mining <input type="radio"/> Paper & Allied Products <input type="radio"/> Petroleum & Coal Products <input type="radio"/> Primary Metal Industries <input type="radio"/> Electronic Equipment <input type="radio"/> Pipelines (Excluding Natural Gas) <input type="radio"/> Oil & Gas Production <input type="radio"/> Auto Dealers & Service Stations <input type="radio"/> Auto Repair, Services & Parking <input type="radio"/> Wholesale Trade Nondurable Goods <input type="radio"/> Rubber & Plastic Products <input type="radio"/> Wholesale Trade Durable Goods <input type="radio"/> Transportation Equipment <input checked="" type="radio"/> Other: 3724-3728	

D

CONTAMINANT INFORMATION

COMPLETE A COLUMN FOR EACH CONTAMINANT CATEGORY

ATTACH ADDITIONAL SHEETS AS NEEDED

CONTAMINANT CATEGORY <small>(Check all categories that apply)</small>	SOLVENTS	PETROLEUM	METALS	ORGANICS	INORGANICS
STORAGE See Next Page					
Surface Impoundments	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Above Ground Drums	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Buried Drums	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
AST	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
UST	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Piles	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Landfill	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Landfarm	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Open Dump	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Former Disposal Area Other:	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
PHYSICAL STATE					
Solid	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Liquid	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Sludge	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Powder/Fines	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Gaseous	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Slurry	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other:	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
GROSS AMOUNTS					
Number Of Drums	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u> </u>
Cubic Yards	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u> </u>
Tons	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u> </u>
Gallons	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u> </u>
Other:	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
N/A = Not Available					
MAXIMUM LEVELS & UNITS					
ppm	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
See Attachment "C" ppb	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
MEDIA TARGETED FOR CLEANUP					
Surface Soil	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Subsurface Soil	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Surface Water	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Groundwater	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>

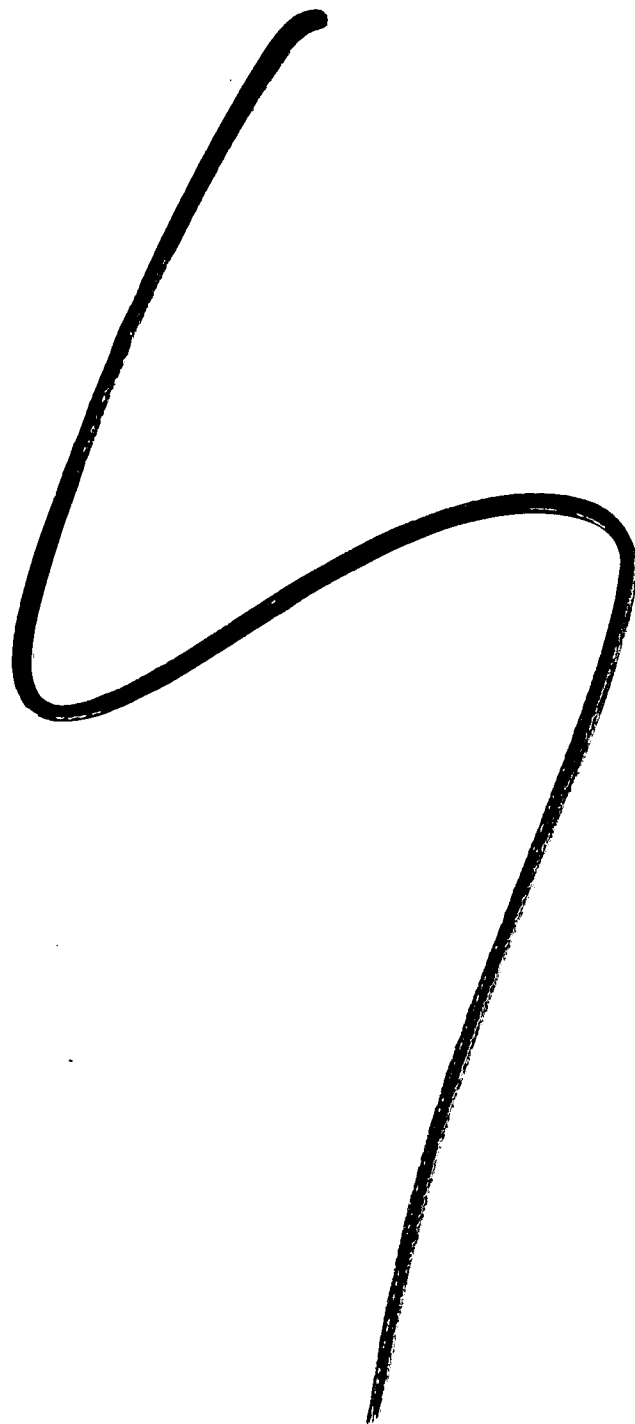
CONSTITUENTS

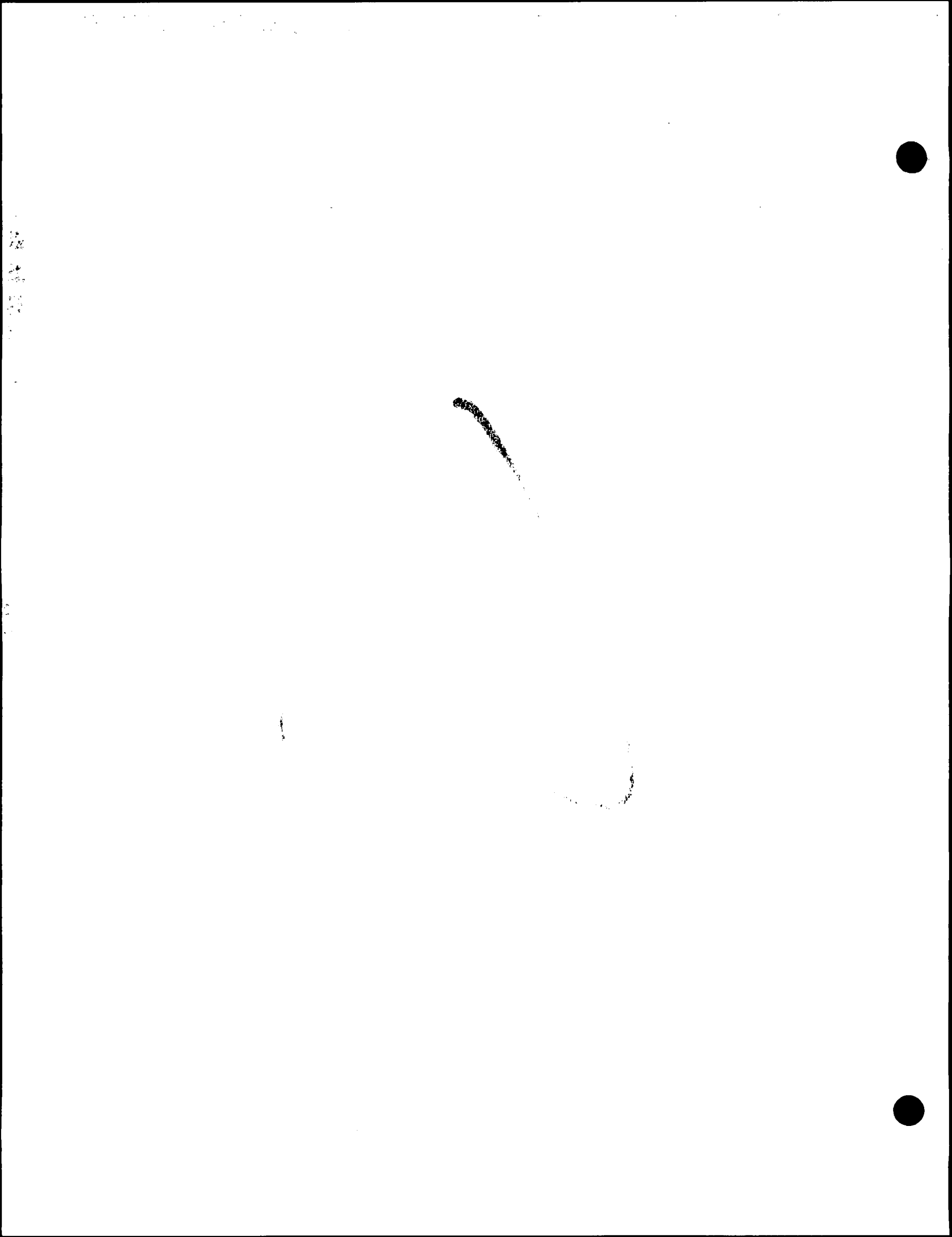
(Please specify individual chemical(s) targeted for voluntary cleanup per each Waste Category identified above)

See Attachment "C"

CONTINUED FROM SECTION D:

Implied definition of "surface impoundments" for the purpose of this Application, AlliedSignal considers "surface impoundments as holding tanks, process equipment, chemical storage areas and chemical handling areas."





D CONTAMINANT INFORMATION

COMPLETE A COLUMN FOR EACH CONTAMINANT CATEGORY ATTACH ADDITIONAL SHEETS AS NEEDED

CONTAMINANT CATEGORY (Check all categories that apply)	ACIDS/BASES	PESTICIDES	SLUDGE	OTHER:
STORAGE				
Surface Impoundments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Above Ground Drums	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Buried Drums	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
AST	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
UST	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Piles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Landfill	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Landfarm	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Open Dump	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PHYSICAL STATE				
Solid	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Liquid	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sludge	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Powder/Fines	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gaseous	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Slurry	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
GROSS AMOUNTS				
Number Of Drums	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Cubic Yards	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Tons	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Gallons	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Other:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
MAXIMUM LEVELS & UNITS				
ppm	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
ppb	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
MEDIA TARGETED FOR CLEANUP				
Surface Soil	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Subsurface Soil	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Surface Water	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Groundwater	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

CONTAMINANT INFORMATION

CONSTITUENTS

(Please specify individual chemical(s) targeted for voluntary cleanup per each Waste Category identified above)

Non-Applicable

FACILITY NAME AlliedSignal - South Bend

(E) PERMITS/ENFORCEMENT INFORMATION

Does Your Facility Have Now Or Ever Had A RCRA Permit Or RCRA Interim Status? No Yes

TYPE OF PERMIT	PERMIT NUMBER	DATE ISSUED	EXPIRATION DATE
Part A/Interim	Unknown	1981	Withdrawn 1982
*			

*AlliedSignal (Bendix) closed units rather than submit a Part B
 Are You Required To Investigate Or Remediate This Facility By Any Other Permit Condition, Commissioner's Order Or Condition Of Any Other Rule? No Yes

Has Your Facility Had Any Past Regulatory Or Enforcement Action At The Following Levels?
 (If So, Please Provide A Brief Narrative Description Below)

Federal State Local

Issues resolved

(F) WATER INFORMATION

LOCAL DRINKING WATER SUPPLY SURFACE <input type="radio"/> WELL <input checked="" type="radio"/> Municipal <input type="radio"/> Private/Residential <input type="radio"/>	WATER SUPPLY DISTANCE FROM SITE <input type="radio"/> Feet _____ <input checked="" type="radio"/> Mile(s) <u>2.6</u>
--	--

LOCAL SURFACE WATER BODIES Wetland(s) <input type="radio"/> Stream <input type="radio"/> River <input checked="" type="radio"/> Lake <input type="radio"/> Pond <input type="radio"/>	SURFACE WATER DISTANCE FROM SITE <input type="radio"/> Feet _____ <input checked="" type="radio"/> Mile(s) <u>3.5</u>
--	---

LOCAL SURFACE WATER USE (Check all that apply) USED <input type="radio"/> AFFECTED <input type="radio"/> POTENTIALLY AFFECTED <input type="radio"/> <input type="radio"/> Reservoir, Recreation <input type="radio"/> Irrigation <input type="radio"/> Commercial <input checked="" type="radio"/> Not Currently Used	LOCAL GROUNDWATER USE (Check all that apply) USED <input checked="" type="radio"/> AFFECTED <input type="radio"/> POTENTIALLY AFFECTED <input type="radio"/> <input checked="" type="radio"/> Sole Source Drinking Water <input type="radio"/> Drinking Source W/ Others <input type="radio"/> Commercial, Industrial <input type="radio"/> Not Currently Used
--	---

SITE SPECIFIC DEPTH TO GROUNDWATER <input type="radio"/> Unknown <u>15-18</u> Feet	SITE SPECIFIC GROUNDWATER FLOW DIRECTION <input type="radio"/> NorthWest <input type="radio"/> North <input checked="" type="radio"/> NorthEast <input type="radio"/> East <input type="radio"/> SouthEast <input type="radio"/> South <input type="radio"/> SouthWest <input type="radio"/> West
---	--

WATER QUALITY USAGE DESCRIPTIONS

CONFIDENTIAL

FACILITY NAME AlliedSignal - South Bend

CHRONOLOGICAL SUMMARY AND CONCLUSIONS

Please Provide The Following Information In As Much Detail as Space Allows. Limit The Information To The "Highlights" And Maintain A Chronological Format.

FACILITY OPERATIONAL HISTORY:

SEE ATTACHED PAGE

PAST SPILL HISTORY: (If No Incidents Have Occurred, Then Mark Oval Here)

SEE ATTACHED PAGE

SOIL INFORMATION:

SEE ATTACHED PAGE

HYDROGEOLOGICAL INFORMATION:

SEE ATTACHED PAGE

OFF-SITE MIGRATION & PATHWAYS: (If Not Impacted, Then Mark Oval Here)

SEE ATTACHED PAGE

PROJECTED CLEANUP OBJECTIVES:

TIER I

TIER II

CURRENTLY UNDETERMINED

TIER III

RESIDENTIAL

NONRESIDENTIAL

G

Please provide the following information in as much detail as space allows. Limit the Information to the "Highlights" and Maintain a chronological format.

FACILITY OPERATIONAL HISTORY:

Since 1919, the 110-acre property has been used for aircraft engine fuel control systems. From 1978 until the present, aircraft landing systems, automotive brakes and steering and chassis components manufacturing.

PAST SPILL HISTORY: (If no incidents have occurred, then mark oval here)

Over the life of the facility, intermittent spills occurred due to handling of material and leaking underground storage tanks removed/closed in mid-1980's. Reported under regulations

SOIL INFORMATION:

Surface soil at the site is primarily silty sand/gravel. Smaller areas of shallow fill material are located throughout the facility. Subsurface soil at the site consists mainly of poorly-graded, fine-to-medium sand with minor amounts of silt and gravel to depths of 20-70 feet below ground surface. A more continuous silt and clay unit underlies the fine-to-medium sand unit throughout most of the site.

HYDROGEOLOGICAL INFORMATION:

Two flow systems have been identified below the site. They are a shallow flow system and a deep flow system. Beneath the majority of the facility these two flow systems are separated by a silty-clay layer.

OFF-SITE MIGRATION & PATHWAYS: (If not impacted, then mark oval here)

Migration of contaminated groundwater.

PROJECTED CLEANUP OBJECTIVES:

TIER III

CONFIDENTIAL

FACILITY NAME AlliedSignal - South Bend

H

MISCELLANEOUS ENVIRONMENTAL INFORMATION

INFORMATION RESOURCE(S) (Check All That Apply)

PREVIOUS SITE STUDY: (Include Title & Date) Voluntary Site Investigation in April of 1998

OTHER: (Include Title & Date)

- U.S. GEOLOGICAL SURVEY
- SOIL CONSERVATION SERVICE
- REGULATORY REPORTING

- STATE REPORTS
- SITE SPECIFIC DATA
- OTHER GOVERNMENT AGENCIES

Do The Conditions Regarding Hazardous Substances Or Petroleum, As Described In This Confidential Application, Constitute An Imminent Or Substantial Threat To Human Health Or The Environment?

No Yes (If Yes, Please Explain Below)

I

STATEMENT OF CERTIFICATION

Pursuant to Indiana Code 13-7-8.9-7, your application to the Voluntary Remediation Program (VRP) will receive confidential treatment. Neither the application nor any information which comes from the application will be made available to the public. However, any material submitted to or generated by the VRP after your notification of eligibility, will be considered IDEM public record.

Ray White, Midwest Manager, Site Remediation
for AlliedSignal

I, _____, Do Hereby Attest And Certify That The
(Print Or Type Name)

Information Included Herein Is, To The Best Of My Knowledge And Belief, Accurate And Complete.

Ray White
Signature

May 26, 1998
Date

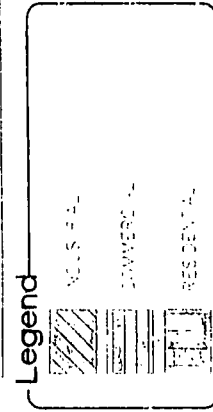
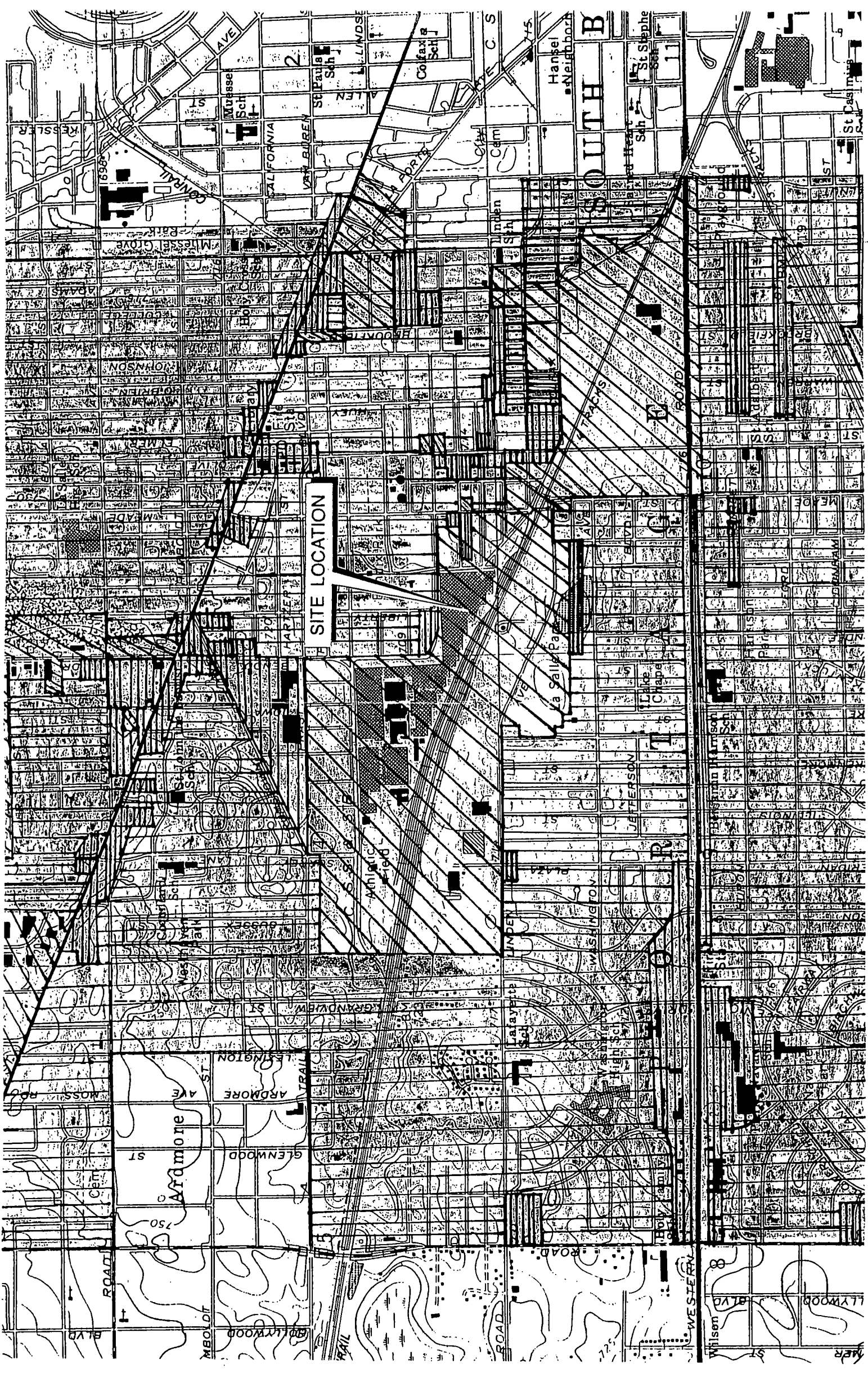
J

APPENDICES INFORMATION

This Voluntary Application will not be considered complete unless the following Appendices are included:

- APPENDIX A. SITE MAP
- APPENDIX B. LEGAL DESCRIPTION
- APPENDIX C. MISCELLANEOUS (IF NEEDED)

ATTACHMENT "A"



SOURCE: St. Joseph County 1980 Planning Commission

FIGURE 2 - 1
 LAND USE MAP
 VOLUNTARY SITE INVESTIGATION
 ALLIEDSIGNAL INDUSTRIAL COMPLEX
 SOUTH BEND, INDIANA

ABB Environmental Services, Inc.



ATTACHMENT "B"

ATTACHMENT "C"

Analytical Summary - VOCs In Soils
 Alleged Former Disposal Area/Carbon Brake Expansion
 AlliedSignal Industrial Complex
 South Bend, Indiana

Page: 1A

Date: 11/25/97

CONSTITUENT (Units in mg/kg)	SITE	03GP001	03GP001	03GP001	03GP001	03GP001	03GP002
	DATE	09/30/96	09/30/96	09/30/96	09/30/96	09/30/96	09/30/96
DEPTH (ft)	DEPTH (ft)	4.00	6.00	8.00	12.00	2.00	
RESULT TYPE	RESULT TYPE	Primary	Primary	Primary	Primary	Primary	Primary
	RBSL						
Toluene	1	<0.25	<7.2	[11]	<0.25	<0.25	<0.25
Ethyl benzene	14	<0.25	<7.2	5.1	<0.25	<0.25	<0.25
Xylene (Total)	200	<0.25	11	15	<0.25	<0.25	<0.25
Isopropylbenzene	3270	<0.25	<7.2	3.6	<0.25	<0.25	<0.25
n-Propylbenzene	3270	<0.25	<7.2	<0.25	<0.25	<0.25	<0.25
1,3,5-Trimethylbenzene	1.3	<0.25	<7.2	[3.8]	<0.25	<0.25	<0.25
Naphthalene	81.76	<0.25	1.9#	6.7	0.37	<0.25	<0.25
2-Methylnaphthalene	130	<0.5	6.1#	20	<0.5	<0.5	<0.5
1,1-Dichloroethane	204.4	0.28	<7.2	0.17	<0.1	0.16	0.16
1,1-Dichloroethene	0.14	<0.1	<7.2	[0.15]	<0.1	<0.1	<0.1
1,2-Dichloroethane	1.4	<0.1	<7.2	0.12	<0.1	<0.1	<0.1
cis-1,2-Dichloroethane	1.4	0.86	[7.4]	[4.1]	<0.1	0.49	0.49
trans-1,2-Dichloroethane	2.0	<0.1	<7.2	<0.1	<0.1	<0.1	<0.1
1,1,1-Trichloroethane	4.0	0.31	[9.1]	[11]	0.33	1.3	1.3
Chlorobenzene	2.0	<0.1	<7.2	0.12	<0.1	<0.1	<0.1
Methylene chloride	0.1	<0.1	<7.2	<0.1	<0.1	<0.1	<0.1
Tetrachloroethane	0.1	[0.1]	[17]	[23]	[0.27]	<0.1	<0.1
Trichloroethane	0.1	[0.48]	<7.2	[0.34]	<0.1	[1]	[1]
Vinyl chloride	0.04	<0.1	<7.2	[0.67]	<0.1	<0.1	<0.1

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

= Constituent in more than one test method, highest result reported. [] = Greater than Action Level

For RCL VOC

Analytical Summary - VOCs In Soils
 Alleged Former Disposal Area/Carbon Brake Expansion
 AlliedSignal Industrial Complex
 South Bend, Indiana

Page: 1B

Date: 11/25/97

CONSTITUENT	(Units in mg/kg)	SITE	03GP002	03GP002	03GP003	03GP003	03GP004
DEPTH (ft)	RESULT TYPE	RBSL	09/30/96	09/30/96	09/30/96	09/30/96	09/30/96
			8.00	12.00	4.00	6.00	2.00
			Primary	Primary	Primary	Primary	Primary
Toluene		1	<0.25	<0.25	<0.25	<0.25	0.28
Ethyl benzene		14	<0.25	<0.25	<0.25	<0.25	<0.25
Xylene (Total)		200	<0.25	<0.25	<0.25	<0.25	<0.25
Isopropylbenzene		3270	<0.25	<0.25	<0.25	<0.25	<0.25
n-Propylbenzene		3270	<0.25	<0.25	<0.25	<0.25	<0.25
1,3,5-Trimethylbenzene		1.3	<0.25	<0.25	<0.25	<0.25	<0.25
Naphthalene		81.76	<0.25	<0.25	<0.25	<0.25	<0.25
2-Methylnaphthalene		130	<0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethane		204.4	<0.1	<0.1	<0.1	<0.1	<0.1
1,1-Dichloroethene		0.14	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichloroethane		1.4	<0.1	<0.1	<0.1	<0.1	<0.1
cis-1,2-Dichloroethene		1.4	<0.1	0.35	<0.1	0.12	0.15
trans-1,2-Dichloroethene		2.0	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,1-Trichloroethane		4.0	0.18	0.2	<0.1	0.26	0.23
Chlorobenzene		2.0	<0.1	<0.1	<0.1	<0.1	<0.1
Methylene chloride		0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tetrachloroethene		0.1	<0.1	<0.1	<0.1	<0.1	0.27
Trichloroethene		0.1	0.62	0.96	0.11	0.33	0.19
Vinyl chloride		0.04	<0.1	<0.1	<0.1	<0.1	<0.1

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(|) = Greater than Reporting Level

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CONSTITUENT (Units in mg/kg)	SITE	03GP004	03GP004	03GP005	03GP005	03GP005	03GP005
	DATE	09/30/96	09/30/96	10/01/96	10/01/96	10/01/96	10/01/96
DEPTH (ft)		8.00	10.00	4.00	8.00	12.00	
RESULT TYPE	RBSL	Primary	Primary	Primary	Primary	Primary	Primary
Toluene	1	<0.05	<0.25	<0.25	<0.25	<0.25	<0.25
Ethyl benzene	14	<0.05	<0.25	<0.25	<0.25	<0.25	<0.25
Xylene (Total)	200	<0.1	<0.25	<0.25	<0.25	<0.25	<0.25
Isopropylbenzene	3270	<0.01	<0.25	<0.25	<0.25	<0.25	<0.25
n-Propylbenzene	3270	<0.01	<0.25	<0.25	<0.25	<0.25	<0.25
1,3,5-Trimethylbenzene	1.3	<0.01	<0.25	<0.25	<0.25	<0.25	<0.25
Naphthalene	81.76	<0.05#	<0.25	<0.25	<0.25	<0.25	<0.25
2-Methylnaphthalene	130	<0.1#	<0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethane	204.4	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1
1,1-Dichloroethene	0.14	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichloroethane	1.4	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1
cis-1,2-Dichloroethene	1.4	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1
trans-1,2-Dichloroethene	2.0	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,1-Trichloroethane	4.0	<0.05	0.16	<0.1	<0.1	<0.1	<0.1
Chlorobenzene	2.0	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1
Methylene chloride	0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1
Tetrachloroethene	0.1	[0.15]	[1.2]	<0.1	<0.1	<0.1	<0.1
Trichloroethene	0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1
Vinyl chloride	0.04	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

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= Constituent in more than one test method, highest result reported. || = Greater than Action Level

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CONSTITUENT	(Units in mg/kg)	SITE	03GP006	03GP006	03GP006	03GP007	03GP007
DEPTH (ft)	RESULT TYPE	RBSL	10/01/96	10/01/96	10/01/96	10/01/96	10/01/96
			6.00	10.00	18.00	4.00	8.00
			Primary	Primary	Primary	Primary	Primary
Toluene		1	<2.5	<2.5	<1	0.43	<0.25
Ethyl benzene		14	<2.5	<2.5	<1	1.4	0.89
Xylene (Total)		200	<2.5	<2.5	<1	2.2	0.61
Isopropylbenzene		3270	<2.5	<2.5	<1	0.48	0.55
n-Propylbenzene		3270	<2.5	<2.5	<1	<0.25	<0.25
1,3,5-Trimethylbenzene		1.3	<2.5	<2.5	<1	0.44	0.42
Naphthalene		81.76	<2.5	<2.5	<1	0.34	<0.25
2-Methylnaphthalene		130	<5	<5	<2	<0.5	<0.5
1,1-Dichloroethane		204.4	<0.1	<0.1	<0.1	<0.1	<0.1
1,1-Dichloroethane		0.14	[6.9]	<0.1	<0.1	<0.1	<0.1
1,2-Dichloroethane		1.4	<0.1	<0.1	<0.1	<0.1	<0.1
cis-1,2-Dichloroethane		1.4	<0.1	<0.1	<0.1	<0.1	<0.1
trans-1,2-Dichloroethane		2.0	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,1-Trichloroethane		4.0	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorobenzene		2.0	<0.1	<0.1	<0.1	<0.1	<0.1
Methylene chloride		0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tetrachloroethene		0.1	<0.1	<0.1	[2.5]	<0.1	<0.1
Trichloroethene		0.1	[29]	[48]	[19]	<0.1	<0.1
Vinyl chloride		0.04	<1	<1	<0.4	<0.1	<0.1

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[] = Greater than Reporting Level

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CONSTITUENT (Units in mg/kg)	SITE	03GP007	03GP008	03GP008	03GP008	03GP008
	DATE	10/01/96	10/01/96	10/01/96	10/01/96	10/01/96
DEPTH (ft)		14.00	2.00	6.00	8.00	8.00
RESULT TYPE	RBSL	Primary	Primary	Primary	Primary	Duplicate
Toluene	1	0.46	<0.25	<0.25	<0.25	<0.25
Ethyl benzene	14	0.83	<0.25	<0.25	<0.25	<0.25
Xylene (Total)	200	0.91	<0.25	<0.25	<0.25	<0.25
Isopropylbenzene	3270	0.36	<0.25	<0.25	<0.25	<0.25
n-Propylbenzene	3270	<0.25	<0.25	<0.25	<0.25	<0.25
1,3,5-Trimethylbenzene	1.3	0.58	<0.25	<0.25	<0.25	<0.25
Naphthalene	81.76	0.85	<0.25	<0.25	<0.25	<0.25
2-Methylnaphthalene	130	0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethane	204.4	<0.1	<0.1	<0.1	<0.1	<0.1
1,1-Dichloroethene	0.14	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichloroethane	1.4	<0.1	<0.1	<0.1	<0.1	<0.1
cis-1,2-Dichloroethene	1.4	<0.1	<0.1	<0.1	<0.1	<0.1
trans-1,2-Dichloroethene	2.0	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,1-Trichloroethane	4.0	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorobenzene	2.0	<0.1	<0.1	<0.1	<0.1	<0.1
Methylene chloride	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tetrachloroethene	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Trichloroethene	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Vinyl chloride	0.04	<0.1	<0.1	<0.1	<0.1	<0.1

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CONSTITUENT	(Units in mg/kg)	SITE	03GP009	03GP009	03GP009	03GP010	03GP010
		DATE	10/02/96	10/02/96	10/02/96	10/02/96	10/02/96
		DEPTH (ft)	4.00	8.00	10.00	4.00	6.00
RESULT TYPE	RBSL		Primary	Primary	Primary	Primary	Primary
Toluene	1		<0.25	<0.25	<0.25	<0.25	<0.25
Ethyl benzene	14		<0.25	<0.25	<0.25	<0.25	<0.25
Xylene (Total)	200		<0.25	<0.25	<0.25	<0.25	<0.25
Isopropylbenzene	3270		<0.25	<0.25	<0.25	<0.25	<0.25
n-Propylbenzene	3270		<0.25	<0.25	<0.25	<0.25	<0.25
1,3,5-Trimethylbenzene	1.3		<0.25	<0.25	<0.25	<0.25	<0.25
Naphthalene	81.76		<0.25	<0.25	<0.25	<0.25	<0.25
2-Methylnaphthalene	130		<0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethane	204.4		<0.1	<0.1	<0.1	<0.1	<0.1
1,1-Dichloroethene	0.14		<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichloroethane	1.4		<0.1	<0.1	<0.1	<0.1	<0.1
cis-1,2-Dichloroethene	1.4		<0.1	<0.1	<0.1	<0.1	<0.1
trans-1,2-Dichloroethene	2.0		<0.1	<0.1	<0.1	<0.1	<0.1
1,1,1-Trichloroethane	4.0		<0.1	<0.1	<0.1	<0.1	<0.1
Chlorobenzene	2.0		<0.1	<0.1	<0.1	<0.1	<0.1
Methylene chloride	0.1		<0.1	<0.1	<0.1	<0.1	<0.1
Tetrachloroethene	0.1		<0.1	<0.1	<0.1	<0.1	<0.1
Trichloroethene	0.1		<0.1	<0.1	<0.1	<0.1	[0.18]
Vinyl chloride	0.04		<0.1	<0.1	<0.1	<0.1	<0.1

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CONSTITUENT (Units in mg/kg)	SITE	03GP010	03GP011	03GP011	03GP011	03GP011	03GP011
DEPTH (ft)	DATE	10/02/96	10/02/96	10/02/96	10/02/96	10/02/96	10/02/96
RESULT TYPE	RBSL	Primary	Primary	Primary	Primary	Primary	Primary
Toluene	1	<0.25	[2.5]	<0.05	<0.25	<0.25	<0.25
Ethyl benzene	14	<0.25	4.9	<0.05	<0.25	<0.25	<0.25
Xylene (Total)	200	<0.25	12	<0.1	<0.25	<0.25	<0.25
Isopropylbenzene	3270	<0.25	4.7	<0.01	<0.25	<0.25	<0.25
n-Propylbenzene	3270	<0.25	<0.25	<0.01	<0.25	<0.25	<0.25
1,3,5-Trimethylbenzene	1.3	<0.25	<0.25	<0.01	<0.25	<0.25	<0.25
Naphthalene	81.76	<0.25	1.3	<0.05#	<0.25	<0.25	<0.25
2-Methylnaphthalene	130	<0.5	7	<0.1#	<0.5	<0.5	<0.5
1,1-Dichloroethane	204.4	<0.1	0.93	<0.05	<0.1	<0.1	<0.1
1,1-Dichloroethene	0.14	<0.1	<0.1	<0.05	<0.1	<0.1	[1]
1,2-Dichloroethane	1.4	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1
cis-1,2-Dichloroethene	1.4	[1.5]	[1.7]	<0.05	0.22	<0.1	<0.1
trans-1,2-Dichloroethene	2.0	<0.1	0.11	<0.05	<0.1	<0.1	<0.1
1,1,1-Trichloroethane	4.0	<0.1	0.74	0.23	0.31	0.4	0.4
Chlorobenzene	2.0	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1
Methylene chloride	0.1	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1
Tetrachloroethene	0.1	<0.1	[0.24]	[0.57]	[0.29]	[0.3]	[0.3]
Trichloroethene	0.1	[0.52]	[0.52]	[0.24] J	[1.7]	[2.1]	[2.1]
Vinyl chloride	0.04	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

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CONSTITUENT (Units in mg/kg)	SITE DATE	DEPTH (ft)	RESULT TYPE	RBSL	03GP012 10/02/96	03GP012 10/02/96	03GP012 10/02/96	03GP013 10/02/96	03GP013 10/02/96
Toluene				1	0.73	<0.25	<0.6	<0.25	[13]
Ethylbenzene				14	0.53	<0.25	<0.6	<0.25	<2.6
Xylene (Total)				200	1.3	<0.25	<0.6	<0.25	11
Isopropylbenzene				3270	0.59	<0.25	<0.6	<0.25	<2.6
n-Propylbenzene				3270	<0.25	<0.25	<0.6	<0.25	<2.6
1,3,5-Trimethylbenzene				1.3	<0.25	<0.25	<0.6	<0.25	<2.6
Naphthalene				81.76	<0.25	<0.25	<0.6	<0.25	<2.6
2-Methylnaphthalene				130	<0.5	<0.5	<1	<0.5	<5.2
1,1-Dichloroethane				204.4	0.7	<0.1	<0.1	<0.1	<0.1
1,1-Dichloroethene				0.14	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichloroethane				1.4	<0.1	<0.1	<0.1	<0.1	<0.1
cis-1,2-Dichloroethene				1.4	0.23	<0.1	0.24	0.43	[26]
trans-1,2-Dichloroethene				2.0	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,1-Trichloroethane				4.0	0.11	1.8	2.2	0.47	[37]
Chlorobenzene				2.0	<0.1	<0.1	<0.1	<0.1	<0.1
Methylene chloride				0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tetrachloroethene				0.1	<0.1	[0.41]	<0.1	[2.1]	[55]
Trichloroethene				0.1	[0.16]	[10]	[19]	[1.8]	[70]
Vinyl chloride				0.04	<0.1	<0.1	<0.24	<0.1	<1

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CONSTITUENT (Units in mg/kg)	SITE	03GP013	03GP014	03GP014	03GP014	03GP014	03GP014
	DATE	10/02/96	10/03/96	10/03/96	10/03/96	10/03/96	10/03/96
DEPTH (ft)	RESULT TYPE	18.00	4.00	8.00	12.00	16.00	
RBSL		Primary	Primary	Primary	Primary	Primary	
Toluene	1	[5]	<0.05	[150]	[47]	[42]	
Ethylbenzene	14	1.6	<0.05	<60	<26	<15	
Xylene (Total)	200	6.3	<0.05	<60	<26	<15	
Isopropylbenzene	3270	0.61	<0.05	<60	<26	<15	
n-Propylbenzene	3270	<0.55	<0.05	<60	<26	<15	
1,3,5-Trimethylbenzene	1.3	<0.55	<0.05	<60	<26	<15	
Naphthalene	81.76	<0.55	<0.05#	<60	<26	<15	
2-Methylnaphthalene	130	<1.1	<0.1#	<120	<52	<30	
1,1-Dichloroethane	204.4	<0.1	<0.05	<0.1	<0.1	<0.1	
1,1-Dichloroethene	0.14	[0.57]	<0.05	<0.1	<0.1	<0.1	
1,2-Dichloroethane	1.4	0.3	<0.05	<0.1	<0.1	<0.1	
cis-1,2-Dichloroethene	1.4	[12]	[56]	<0.1	<0.1	<0.1	
trans-1,2-Dichloroethene	2.0	0.41	<0.05	<0.1	<0.1	<0.1	
1,1,1-Trichloroethane	4.0	[14]	<0.05	[290]	<0.1	[17]	
Chlorobenzene	2.0	<0.1	<0.05	<0.1	<0.1	<0.1	
Methylene chloride	0.1	<0.1	<0.05	<0.1	<0.1	<0.1	
Tetrachloroethene	0.1	[20]	<0.05	[170]	[48]	[16]	
Trichloroethene	0.1	[22]	<0.05	[1500]	[300]	[200]	
Vinyl chloride	0.04	<0.22	<0.1	<24	<10	<6	

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= Constituent in more than one test method, highest result reported. [] = Greater than Action Level

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CONSTITUENT	(Units in mg/kg)	SITE	03GP015	03GP015	03GP015	03GP015	03GP015	03GP015	03GP015
		DATE	10/03/96	10/03/96	10/03/96	10/03/96	10/03/96	10/03/96	10/03/96
		DEPTH (ft)	8.00	12.00	14.00	14.00	14.00	14.00	18.00
		RESULT TYPE	Primary	Primary	Primary	Primary	Duplicate	Primary	Primary
		RBSL							
Toluene		1	<0.68	<0.53	<0.6 *	0.28	0.28	[1]	
Ethyl benzene		14	<0.68	<0.53	<0.6 *	<0.25	<0.25	<0.62	
Xylene (Total)		200	<0.68	<0.53	<0.6 *	0.35	0.35	<0.62	
Isopropylbenzene		3270	<0.68	<0.53	<0.6 *	<0.25	<0.25	<0.62	
n-Propylbenzene		3270	<0.68	<0.53	<0.6 *	<0.25	<0.25	<0.62	
1,3,5-Trimethylbenzene		1.3	<0.68	<0.53	<0.6 *	<0.25	<0.25	<0.62	
Naphthalene		81.76	<0.68	<0.53	<0.6 *	<0.25	<0.25	<0.62	
2-Methylnaphthalene		130	<1.4	<1.1	<1.2 *	<0.5	<0.5	<1.2	
1,1-Dichloroethane		204.4	<0.1	<0.1	<0.1 *	<0.1	<0.1	2.2	
1,1-Dichloroethene		0.14	<0.1	<0.1	<0.1 *	<0.1	<0.1	<0.1	
1,2-Dichloroethane		1.4	<0.1	<0.1	<0.1 *	<0.1	<0.1	<0.1	
cis-1,2-Dichloroethene		1.4	0.89	<0.1	<0.1 *	0.42	0.42	[12]	
trans-1,2-Dichloroethene		2.0	<0.1	<0.1	<0.1 *	<0.1	<0.1	<0.1	
1,1,1-Trichloroethane		4.0	1.5	0.48	0.75 *	1.2	1.2	<0.1	
Chlorobenzene		2.0	<0.1	<0.1	<0.1 *	<0.1	<0.1	<0.1	
Methylene chloride		0.1	<0.1	<0.1	<0.1 *	<0.1	<0.1	<0.1	
Tetrachloroethene		0.1	<0.1	<0.1	<0.1 *	[0.11]	[0.11]	<0.1	
Trichloroethene		0.1	[6]	[0.71]	<0.1 *	[3.4]	[3.4]	[1.3]	
Vinyl chloride		0.04	<0.27	<0.21	<0.24 *	<0.1	<0.1	<0.25	

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 [] = Greater than Reporting Level
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CONSTITUENT (Units in mg/kg)	SITE	03GP015	03GP016	03GP016	03GP016	03GP017
	DATE	10/03/96	10/03/96	10/03/96	10/03/96	10/04/96
DEPTH (ft)		20.00	4.00	8.00	14.00	8.00
RESULT TYPE	RBSL	Primary	Primary	Primary	Primary	Primary
Toluene	1	[2.5]	<0.25	<0.62	<0.6	<0.25
Ethylbenzene	14	<1.2	<0.25	<0.62	<0.6	<0.25
Xylene (Total)	200	<1.2	<0.25	<0.62	<0.6	<0.25
Isopropylbenzene	3270	<1.2	<0.25	<0.62	<0.6	<0.25
n-Propylbenzene	3270	<1.2	<0.25	<0.62	<0.6	<0.25
1,3,5-Trimethylbenzene	1.3	<1.2	<0.25	<0.62	<0.6	<0.25
Naphthalene	81.76	<1.2	<0.25	<0.62	<0.6	<0.25
2-Methylnaphthalene	130	<2.5	<0.5	<1.2	<1.2	<0.5
1,1-Dichloroethane	204.4	0.84	<0.1	<0.1	<0.1	<0.1
1,1-Dichloroethene	0.14	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichloroethane	1.4	<0.1	<0.1	<0.1	<0.1	<0.1
cis-1,2-Dichloroethene	1.4	[23]	<0.1	<0.1	<0.1	<0.1
trans-1,2-Dichloroethene	2.0	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,1-Trichloroethane	4.0	[6.5]	<0.1	0.85	0.39	<0.1
Chlorobenzene	2.0	<0.1	<0.1	<0.1	<0.1	<0.1
Methylene chloride	0.1	[7.6]	<0.1	<0.1	<0.1	<0.1
Tetrachloroethene	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Trichloroethene	0.1	[16]	<0.1	<0.1	[0.69]	<0.1
Vinyl chloride	0.04	<0.49	<0.1	<0.25	<0.24	<0.1

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CONSTITUENT	(Units in mg/kg)	SITE	03GP017	03GP017	03GP017	03GP018	03GP018
DEPTH (ft)	RESULT TYPE	RBSL	10/04/96	10/04/96	10/04/96	10/25/96	10/25/96
			Primary	Duplicate	Primary	Primary	Primary
Toluene		1	<0.25	<0.25	[21]	<0.25	<0.25
Ethyl benzene		14	<0.25	<0.25	[74]	<0.25	<0.25
Xylene (Total)		200	0.31 J	<0.25	160	<0.25	<0.25
Isopropylbenzene		3270	<0.25	<0.25	13	<0.25	<0.25
n-Propylbenzene		3270	<0.25	<0.25	8.1	<0.25	<0.25
1,3,5-Trimethylbenzene		1.3	<0.25	<0.25	[44]	<0.25	<0.25
Naphthalene		81.76	<0.25	<0.25	9	<0.25	<0.25
2-Methylnaphthalene		130	<0.5	<0.5	24	<0.5	<0.5
1,1-Dichloroethane		204.4	<0.1	<0.1	<0.1	<0.1	<0.1
1,1-Dichloroethene		0.14	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichloroethane		1.4	<0.1	<0.1	<0.1	<0.1	<0.1
cis-1,2-Dichloroethene		1.4	<0.1	<0.1	<0.1	<0.1	<0.1
trans-1,2-Dichloroethene		2.0	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,1-Trichloroethane		4.0	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorobenzene		2.0	<0.1	<0.1	<0.1	<0.1	<0.1
Methylene chloride		0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tetrachloroethene		0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Trichloroethene		0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Vinyl chloride		0.04	<0.1	<0.1	<2.5	<0.1	<0.1

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[J] = Greater than Reporting Level

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CONSTITUENT	(Units in mg/kg)	SITE	03GP019	03GP019	03GP019	03GP020	03GP020
		DATE	10/28/96	10/28/96	10/28/96	10/28/96	10/28/96
		DEPTH (ft)	4.00	8.00	12.00	4.00	8.00
		RESULT TYPE	Primary	Primary	Primary	Primary	Primary
		RBSL					
Toluene	1		<0.25	<0.25	<0.25	<0.25	<0.25
Ethyl benzene	14		<0.25	<0.25	<0.25	<0.25	<0.25
Xylene (Total)	200		<0.25	<0.25	<0.25	<0.25	<0.25
Isopropylbenzene	3270		<0.25	<0.25	<0.25	<0.25	<0.25
n-Propylbenzene	3270		<0.25	<0.25	<0.25	<0.25	<0.25
1,3,5-Trimethylbenzene	1.3		<0.25	<0.25	<0.25	<0.25	<0.25
Naphthalene	81.76		<0.25	<0.25	<0.25	<0.25	<0.25
2-Methylnaphthalene	130		<0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethane	204.4		<0.1	<0.1	<0.1	<0.1	<0.1
1,1-Dichloroethene	0.14		<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichloroethane	1.4		<0.1	<0.1	<0.1	<0.1	<0.1
cis-1,2-Dichloroethene	1.4		<0.1	<0.1	<0.1	<0.1	<0.1
trans-1,2-Dichloroethene	2.0		<0.1	<0.1	<0.1	<0.1	<0.1
1,1,1-Trichloroethane	4.0		<0.1	<0.1	<0.1	<0.1	<0.1
Chlorobenzene	2.0		<0.1	<0.1	<0.1	<0.1	<0.1
Methylene chloride	0.1		<0.1	<0.1	<0.1	<0.1	<0.1
Tetrachloroethene	0.1		<0.1	<0.1	<0.1	<0.1	<0.1
Trichloroethene	0.1		<0.1	<0.1	<0.1	<0.1	<0.1
Vinyl chloride	0.04		<0.1	<0.1	<0.1	<0.1	<0.1

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CONSTITUENT (Units in mg/kg)	SITE	03GP020	03GP021	03GP022	03GP022
	DATE	10/28/96	10/28/96	10/28/96	10/28/96
DEPTH (ft)	DEPTH (ft)	4.00	8.00	4.00	8.00
RESULT TYPE	RESULT TYPE	Primary	Primary	Primary	Primary
RBSL	RBSL				
Toluene	1	<0.25	<0.25	<0.25	<0.25
Ethyl benzene	14	<0.25	<0.25	<0.25	<0.25
Xylene (Total)	200	<0.25	<0.25	<0.25	<0.25
Isopropylbenzene	3270	<0.25	<0.25	<0.25	<0.25
n-Propylbenzene	3270	<0.25	<0.25	<0.25	<0.25
1,3,5-Trimethylbenzene	1.3	<0.25	<0.25	<0.25	<0.25
Naphthalene	81.76	<0.25	<0.25	<0.25	<0.25
2-Methylnaphthalene	130	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethane	204.4	<0.1	<0.1	<0.1	<0.1
1,1-Dichloroethene	0.14	<0.1	<0.1	<0.1	<0.1
1,2-Dichloroethane	1.4	<0.1	<0.1	<0.1	<0.1
cis-1,2-Dichloroethene	1.4	<0.1	<0.1	<0.1	<0.1
trans-1,2-Dichloroethene	2.0	<0.1	<0.1	<0.1	<0.1
1,1,1-Trichloroethane	4.0	<0.1	<0.1	<0.1	<0.1
Chlorobenzene	2.0	<0.1	<0.1	<0.1	<0.1
Methylene chloride	0.1	<0.1	<0.1	<0.1	<0.1
Tetrachloroethene	0.1	<0.1	<0.1	<0.1	<0.1
Trichloroethene	0.1	<0.1	<0.1	<0.1	<0.1
Vinyl chloride	0.04	<0.1	<0.1	<0.1	<0.1

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CONSTITUENT (Units in mg/kg)	SITE	03GP022	03GP022	08GP004	08GP004	08GP004	08GP004
	DATE	10/28/96	10/28/96	10/08/96	10/08/96	10/08/96	10/08/96
DEPTH (ft)		12.00	12.00	8.00	12.00	16.00	
RESULT TYPE	RBSL	Primary	Duplicate	Primary	Primary	Primary	Primary
Toluene	1	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Ethyl benzene	14	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Xylene (Total)	200	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Isopropylbenzene	3270	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
n-Propylbenzene	3270	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
1,3,5-Trimethylbenzene	1.3	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Naphthalene	81.76	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
2-Methylnaphthalene	130	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethane	204.4	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1-Dichloroethene	0.14	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichloroethane	1.4	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
cis-1,2-Dichloroethene	1.4	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-1,2-Dichloroethene	2.0	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,1-Trichloroethane	4.0	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorobenzene	2.0	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methylene chloride	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tetrachloroethene	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Trichloroethene	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Vinyl chloride	0.04	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

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CONSTITUENT (Units in mg/kg)	SITE	11GP001	11GP001	11GP002	11GP002	11GP003
	DATE	10/03/96	10/03/96	10/03/96	10/03/96	10/04/96
DEPTH (ft)		4.00	8.00	4.00	8.00	4.00
RESULT TYPE	RBSL	Primary	Primary	Primary	Primary	Primary
Toluene	1	< 0.25	< 0.25	< 0.53	< 0.25	< 0.25
Ethyl benzene	14	< 0.25	< 0.25	< 0.53	< 0.25	< 0.25
Xylene (Total)	200	< 0.25	< 0.25	< 0.53	< 0.25	< 0.25
Isopropylbenzene	3270	< 0.25	< 0.25	< 0.53	< 0.25	< 0.25
n-Propylbenzene	3270	< 0.25	< 0.25	< 0.53	< 0.25	< 0.25
1,3,5-Trimethylbenzene	1.3	< 0.25	< 0.25	< 0.53	< 0.25	< 0.25
Naphthalene	81.76	< 0.25	< 0.25	< 0.53	< 0.25	< 0.25
2-Methylnaphthalene	130	< 0.5	< 0.5	< 1.1	< 0.5	< 0.5
1,1-Dichloroethane	204.4	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
1,1-Dichloroethene	0.14	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
1,2-Dichloroethane	1.4	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
cis-1,2-Dichloroethene	1.4	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
trans-1,2-Dichloroethene	2.0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
1,1,1-Trichloroethane	4.0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Chlorobenzene	2.0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Methylene chloride	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Tetrachloroethene	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Trichloroethene	0.1	[0.68]	[0.32]	[1.4]	[0.37]	< 0.1
Vinyl chloride	0.04	< 0.1	< 0.1	< 0.21	< 0.1	< 0.1

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CONSTITUENT	(Units in mg/kg)	SITE	11GP003	11GP003	11GP004	11GP004	11GP005
		DATE	10/04/96	10/04/96	10/04/96	10/04/96	10/04/96
		DEPTH (ft)	8.00	12.00	4.00	9.00	4.00
		RESULT TYPE	Primary	Primary	Primary	Primary	Primary
		RBSL					
Toluene		1	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Ethyl benzene		14	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Xylene (Total)		200	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Isopropylbenzene		3270	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
n-Propylbenzene		3270	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
1,3,5-Trimethylbenzene		1.3	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Naphthalene		81.76	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
2-Methylnaphthalene		130	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1-Dichloroethane		204.4	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
1,1-Dichloroethene		0.14	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
1,2-Dichloroethane		1.4	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
cis-1,2-Dichloroethene		1.4	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
trans-1,2-Dichloroethene		2.0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
1,1,1-Trichloroethane		4.0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Chlorobenzene		2.0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Methylene chloride		0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Tetrachloroethene		0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Trichloroethene		0.1	< 0.1	[0.28]	< 0.1	< 0.1	< 0.1
Vinyl chloride		0.04	< 0.1	< 0.1	[0.18] B	[0.24]	[0.23] B

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CONSTITUENT (Units in mg/kg)	SITE	DATE	DEPTH (ft)	RESULT TYPE	RBSL	11GP005	11GP006	11GP006	11GP006
						10/04/96	10/04/96	10/04/96	10/04/96
						8.00	4.00	8.00	12.00
						Primary	Primary	Primary	Primary
Toluene					1	<0.25	<0.25	<0.25	<0.25
Ethyl benzene					14	<0.25	<0.25	<0.25	<0.25
Xylene (Total)					200	<0.25	<0.25	<0.25	<0.25
Isopropylbenzene					3270	<0.25	<0.25	<0.25	<0.25
n-Propylbenzene					3270	<0.25	<0.25	<0.25	<0.25
1,3,5-Trimethylbenzene					1.3	<0.25	<0.25	<0.25	<0.25
Naphthalene					81.76	<0.25	<0.25	<0.25	<0.25
2-Methylnaphthalene					130	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethane					204.4	<0.1	<0.1	<0.1	<0.1
1,1-Dichloroethene					0.14	<0.1	<0.1	<0.1	<0.1
1,2-Dichloroethane					1.4	<0.1	<0.1	<0.1	<0.1
cis-1,2-Dichloroethene					1.4	<0.1	<0.1	<0.1	<0.1
trans-1,2-Dichloroethene					2.0	<0.1	<0.1	<0.1	<0.1
1,1,1-Trichloroethane					4.0	<0.1	<0.1	<0.1	<0.1
Chlorobenzene					2.0	<0.1	<0.1	<0.1	<0.1
Methylene chloride					0.1	<0.1	<0.1	<0.1	<0.1
Tetrachloroethene					0.1	<0.1	<0.1	<0.1	<0.1
Trichloroethene					0.1	<0.1	<0.1	<0.1	<0.1
Vinyl chloride					0.04	<0.1	<0.1	<0.1	<0.1

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CONSTITUENT	(Units in mg/kg)	SITE	DATE	DEPTH (ft)	RESULT TYPE	RBSL	11GP007	11GP007	11GP007	11GP008	11GP008
							10/05/96	10/05/96	10/05/96	10/16/96	10/16/96
							8.00	15.00	4.00	8.00	8.00
							Primary	Primary	Primary	Primary	Primary
Toluene		1	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Ethyl benzene		14	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Xylene (Total)		200	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Isopropylbenzene		3270	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
n-Propylbenzene		3270	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
1,3,5-Trimethylbenzene		1.3	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Naphthalene		81.76	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
2-Methylnaphthalene		130	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethane		204.4	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,1-Trichloroethane		0.14	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichloroethane		1.4	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
cis-1,2-Dichloroethane		1.4	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-1,2-Dichloroethane		2.0	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,1-Trichloroethane		4.0	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorobenzene		2.0	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methylene chloride		0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tetrachloroethene		0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Trichloroethane		0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Vinyl chloride		0.04	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

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CONSTITUENT	(Units in mg/kg)	SITE	DATE	DEPTH (ft)	RESULT TYPE	RBSL	11GP008	11GP009	11GP009	11GP009	11GP010
							10/16/96	11/13/96	11/13/96	11/13/96	12/17/96
							12.00	4.00	10.00	12.00	4.00
							Primary	Primary	Primary	Primary	Primary
Toluene		1					<0.25	<0.25	<0.25	<0.25	<0.25
Ethyl benzene		14					<0.25	<0.25	<0.25	<0.25	<0.25
Xylene (Total)		200					<0.25	<0.25	0.36	<0.25	<0.25
Isopropylbenzene		3270					<0.25	<0.25	<0.25	<0.25	<0.25
n-Propylbenzene		3270					<0.25	<0.25	<0.25	<0.25	<0.25
1,3,5-Trimethylbenzene		1.3					<0.25	<0.25	<0.25	<0.25	<0.25
Naphthalene		81.76					<0.25	<0.25	<0.25	<0.25	<0.25
2-Methylnaphthalene		130					<0.6	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethane		204.4					<0.1	<0.1	<0.1	<0.1	<0.1
1,1-Dichloroethene		0.14					<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichloroethane		1.4					<0.1	<0.1	<0.1	<0.1	<0.1
cis-1,2-Dichloroethene		1.4					<0.1	<0.1	<0.1	<0.1	<0.1
trans-1,2-Dichloroethene		2.0					<0.1	<0.1	<0.1	<0.1	<0.1
1,1,1-Trichloroethane		4.0					<0.1	<0.1	<0.1	<0.1	<0.1
Chlorobenzene		2.0					<0.1	<0.1	<0.1	<0.1	<0.1
Methylene chloride		0.1					<0.1	<0.1	<0.1	<0.1	<0.1
Tetrachloroethene		0.1					<0.1	<0.1	<0.1	<0.1	<0.1
Trichloroethene		0.1					<0.1	<0.1	<0.1	<0.1	<0.1
Vinyl chloride		0.04					<0.1	<0.1	<0.1	<0.1	<0.1

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CONSTITUENT (Units in mg/kg)	SITE		DEPTH (ft)	RESULT TYPE	RBSL
	11GP010	11GP010			
Toluene	12/17/96	12/17/96	8.00	Primary	1
Ethyl benzene	<0.25	<0.25			14
Xylene (Total)	<0.25	<0.25			200
Isopropylbenzene	<0.25	<0.25			3270
n-Propylbenzene	<0.25	<0.25			3270
1,3,5-Trimethylbenzene	<0.25	<0.25			1.3
Naphthalene	<0.25	<0.25			81.76
2-Methylnaphthalene	<0.5	<0.5			130
1,1-Dichloroethane	<0.1	<0.1			204.4
1,1-Dichloroethene	<0.1	<0.1			0.14
1,2-Dichloroethane	<0.1	<0.1			1.4
cis-1,2-Dichloroethene	<0.1	<0.1			1.4
trans-1,2-Dichloroethene	<0.1	<0.1			2.0
1,1,1-Trichloroethane	<0.1	<0.1			4.0
Chlorobenzene	<0.1	<0.1			2.0
Methylene chloride	<0.1	<0.1			0.1
Tetrachloroethene	<0.1	<0.1			0.1
Trichloroethene	<0.1	<0.1			0.1
Vinyl chloride	<0.1	<0.1			0.04

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CONSTITUENT (Units in mg/kg)	SITE	03GP001	03GP001	03GP001	03GP001	03GP001	03GP001	03GP002
	DATE	09/30/96	09/30/96	09/30/96	09/30/96	09/30/96	09/30/96	09/30/96
	DEPTH (ft)	4.00	6.00	8.00	12.00	2.00		
	RESULT TYPE	Primary	Primary	Primary	Primary	Primary	Primary	Primary
	RBSL							
Bis (2-ethylhexyl)- Phthalate	1406	---	1.3	---	---	---	---	---
Phenanthrene	0.52	---	0.38	---	---	---	---	---
Naphthalene	81.76	< 0.25	1.9#	6.7	0.37	< 0.25		
2-Methylnaphthalene	130	< 0.5	6.1#	20	< 0.5	< 0.5		
2-Methylphenol	102.2	---	2.3	---	---	---		
2,4-Dimethylphenol	7.4	---	1.1	---	---	---		
4-Methylphenol	102.2	---	1.7	---	---	---		
Phenol		---	0.41	---	---	---		
Pyrene	61.32	---	0.34	---	---	---		

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 # = Constituent more than one test method, highest result reported.
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CONSTITUENT (Units in mg/kg)	SITE	03GP002	03GP002	03GP003	03GP003	03GP004
	DATE	09/30/96	09/30/96	09/30/96	09/30/96	09/30/96
	DEPTH (ft)	8.00	12.00	4.00	6.00	2.00
	RESULT TYPE	Primary	Primary	Primary	Primary	Primary
	RBSL					
Bis (2-ethylhexyl)- Phthalate	1406	---	---	---	---	---
Phenanthrene	0.52	---	---	---	---	---
Naphthalene	81.76	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
2-Methylnaphthalene	130	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
2-Methylphenol	102.2	---	---	---	---	---
2,4-Dimethylphenol	7.4	---	---	---	---	---
4-Methylphenol	102.2	---	---	---	---	---
Phenol		---	---	---	---	---
Pyrene	61.32	---	---	---	---	---

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CONSTITUENT	(Units in mg/kg)	SITE	03GP004	03GP004	03GP005	03GP005	03GP005
		DATE	09/30/96	09/30/96	10/01/96	10/01/96	10/01/96
		DEPTH (ft)	8.00	10.00	4.00	8.00	12.00
		RESULT TYPE	Primary	Primary	Primary	Primary	Primary
	RBSL						
Bis (2-ethylhexyl)- Phthalate	1406		0.72	---	---	---	---
Phenanthrene	0.52		<0.33	---	---	---	---
Naphthalene	81.76		<0.05#	<0.25	<0.25	<0.25	<0.25
2-Methylnaphthalene	130		<0.1#	<0.5	<0.5	<0.5	<0.5
2-Methylphenol	102.2		<0.33	---	---	---	---
2,4-Dimethylphenol	7.4		<0.33	---	---	---	---
4-Methylphenol	102.2		<0.33	---	---	---	---
Phenol			<0.33	---	---	---	---
Pyrene	61.32		<0.33	---	---	---	---

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= Constituent more than one test method, highest result reported.

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CONSTITUENT (Units in mg/kg)	SITE	03GP006	03GP006	03GP006	03GP006	03GP007	03GP007
	DATE	10/01/96	10/01/96	10/01/96	10/01/96	10/01/96	10/01/96
DEPTH (ft)	RESULT TYPE	RBSL					
Bis (2-ethylhexyl)- Phthalate		1406	---	---	---	---	---
Phenanthrene		0.52	---	---	---	---	---
Naphthalene		81.76	< 2.5	< 2.5	< 1	0.34	< 0.25
2-Methylnaphthalene		130	< 5	< 5	< 2	< 0.5	< 0.5
2-Methylphenol		102.2	---	---	---	---	---
2,4-Dimethylphenol		7.4	---	---	---	---	---
4-Methylphenol		102.2	---	---	---	---	---
Phenol			---	---	---	---	---
Pyrene		61.32	---	---	---	---	---

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CONSTITUENT (Units in mg/kg)	SITE	03GP007	03GP008	03GP008	03GP008	03GP008	03GP008
	DATE	10/01/96	10/01/96	10/01/96	10/01/96	10/01/96	10/01/96
DEPTH (ft)		14.00	2.00	6.00	8.00	8.00	8.00
RESULT TYPE	RBSL	Primary	Primary	Primary	Primary	Primary	Duplicate
Bis (2-ethylhexyl)- Phthalate	1406	---	---	---	---	---	---
Phenanthrene	0.52	---	---	---	---	---	---
Naphthalene	81.76	0.85	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
2-Methylnaphthalene	130	0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
2-Methylphenol	102.2	---	---	---	---	---	---
2,4-Dimethylphenol	7.4	---	---	---	---	---	---
4-Methylphenol	102.2	---	---	---	---	---	---
Phenol	---	---	---	---	---	---	---
Pyrene	61.32	---	---	---	---	---	---

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CONSTITUENT (Units in mg/kg)	SITE	03GP009	03GP009	03GP009	03GP010	03GP010
	DATE	10/02/96	10/02/96	10/02/96	10/02/96	10/02/96
DEPTH (ft)		4.00	8.00	10.00	4.00	6.00
RESULT TYPE	RBSL	Primary	Primary	Primary	Primary	Primary
Bis (2-ethylhexyl)- Phthalate	1406	---	---	---	---	---
Phenanthrene	0.52	---	---	---	---	---
Naphthalene	81.76	<0.25	<0.25	<0.25	<0.25	<0.25
2-Methylnaphthalene	130	<0.5	<0.5	<0.5	<0.5	<0.5
2-Methylphenol	102.2	---	---	---	---	---
2,4-Dimethylphenol	7.4	---	---	---	---	---
4-Methylphenol	102.2	---	---	---	---	---
Phenol	---	---	---	---	---	---
Pyrene	61.32	---	---	---	---	---

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CONSTITUENT	(Units in mg/kg)	SITE	03GP010	03GP011	03GP011	03GP011	03GP011	03GP011
		DATE	10/02/96	10/02/96	10/02/96	10/02/96	10/02/96	10/02/96
		DEPTH (ft)	12.00	6.00	8.00	14.00	22.00	
		RESULT TYPE	Primary	Primary	Primary	Primary	Primary	Primary
		RBSL						
Bis (2-ethylhexyl)- Phthalate		1406	---	---	0.5	---	---	---
Phenanthrene		0.52	---	---	<0.33	---	---	---
Naphthalene		81.76	<0.25	1.3	<0.05#	<0.25	<0.25	<0.25
2-Methylnaphthalene		130	<0.5	7	<0.1#	<0.5	<0.5	<0.5
2-Methylphenol		102.2	---	---	<0.33	---	---	---
2,4-Dimethylphenol		7.4	---	---	<0.33	---	---	---
4-Methylphenol		102.2	---	---	<0.33	---	---	---
Phenol			---	---	<0.33	---	---	---
Pyrene		61.32	---	---	<0.33	---	---	---

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= Constituent more than one test method, highest result reported.

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CONSTITUENT (Units in mg/kg)	SITE	03GP012	03GP012	03GP012	03GP013	03GP013
	DATE	10/02/96	10/02/96	10/02/96	10/02/96	10/02/96
	DEPTH (ft)	8.00	16.00	20.00	8.00	12.00
	RESULT TYPE	Primary	Primary	Primary	Primary	Primary
	FBSL					
Bis (2-ethylhexyl)- Phthalate	1406	---	---	---	---	---
Phenanthrene	0.52	---	---	---	---	---
Naphthalene	81.76	< 0.25	< 0.25	< 0.6	< 0.25	< 2.6
2-Methylnaphthalene	130	< 0.5	< 0.5	< 1	< 0.5	< 5.2
2-Methylphenol	102.2	---	---	---	---	---
2,4-Dimethylphenol	7.4	---	---	---	---	---
4-Methylphenol	102.2	---	---	---	---	---
Phenol		---	---	---	---	---
Pyrene	61.32	---	---	---	---	---

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CONSTITUENT	(Units in mg/kg)	SITE	DATE	DEPTH (ft)	RESULT TYPE	RBSL	03GP013	03GP014	03GP014	03GP014	03GP014
							10/02/96	10/03/96	10/03/96	10/03/96	10/03/96
							18.00	4.00	8.00	12.00	16.00
							Primary	Primary	Primary	Primary	Primary
Bis (2-ethylhexyl)- Phthalate						1406	---	ND	---	---	---
Phenanthrene						0.52	---	ND	---	---	---
Naphthalene						81.76	<0.55	<0.05#	<60	<26	<15
2-Methylnaphthalene						130	<1.1	<0.1#	<120	<52	<30
2-Methylphenol						102.2	---	ND	---	---	---
2,4-Dimethylphenol						7.4	---	ND	---	---	---
4-Methylphenol						102.2	---	ND	---	---	---
Phenol							---	ND	---	---	---
Pyrene						61.32	---	ND	---	---	---

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 # = Constituent more than one test method, highest result reported. ND = Not Detected
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CONSTITUENT (Units in mg/kg)	SITE	03GP015 10/03/96	03GP015 10/03/96	03GP015 10/03/96	03GP015 10/03/96	03GP015 10/03/96
	DATE	8.00	12.00	14.00	14.00	18.00
DEPTH (ft)		Primary	Primary	Primary	Duplicate	Primary
RESULT TYPE	RBSL					
Bis (2-ethylhexyl)- Phthalate	1406	---	---	---	---	---
Phenanthrene	0.52	---	---	---	---	---
Naphthalene	81.76	<0.68	<0.53	<0.6 *	<0.25	<0.62
2-Methylnaphthalene	130	<1.4	<1.1	<1.2 *	<0.5	<1.2
2-Methylphenol	102.2	---	---	---	---	---
2,4-Dimethylphenol	7.4	---	---	---	---	---
4-Methylphenol	102.2	---	---	---	---	---
Phenol	---	---	---	---	---	---
Pyrene	61.32	---	---	---	---	---

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CONSTITUENT (Units in mg/kg)	SITE	03GP015	03GP016	03GP016	03GP016	03GP017
	DATE	10/03/96	10/03/96	10/03/96	10/03/96	10/04/96
DEPTH (ft)	DEPTH (ft)	20.00	4.00	8.00	14.00	8.00
RESULT TYPE	RBSL	Primary	Primary	Primary	Primary	Primary
Bis (2-ethylhexyl)- Phthalate	1406	---	---	---	---	---
Phenanthrene	0.52	---	---	---	---	---
Naphthalene	81.76	< 1.2	< 0.25	< 0.62	< 0.6	< 0.25
2-Methylnaphthalene	130	< 2.5	< 0.5	< 1.2	< 1.2	< 0.5
2-Methylphenol	102.2	---	---	---	---	---
2,4-Dimethylphenol	7.4	---	---	---	---	---
4-Methylphenol	102.2	---	---	---	---	---
Phenol	---	---	---	---	---	---
Pyrene	61.32	---	---	---	---	---

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CONSTITUENT (Units in mg/kg)	SITE	DATE	DEPTH (ft)	RESULT TYPE	RBSL	03GP017	03GP017	03GP017	03GP018	03GP018
Bis (2-ethylhexyl)- Phthalate	---	---	---	---	1406	---	---	---	---	---
Phenanthrene	---	---	---	---	0.52	---	---	---	---	---
Naphthalene	< 0.25	10/04/96	12.00	Primary	81.76	< 0.25	< 0.25	9	< 0.25	< 0.25
2-Methylnaphthalene	< 0.5	10/04/96	12.00	Primary	130	< 0.5	< 0.5	24	< 0.5	< 0.5
2-Methylphenol	---	---	---	---	102.2	---	---	---	---	---
2,4-Dimethylphenol	---	---	---	---	7.4	---	---	---	---	---
4-Methylphenol	---	---	---	---	102.2	---	---	---	---	---
Phenol	---	---	---	---	---	---	---	---	---	---
Pyrene	---	---	---	---	61.32	---	---	---	---	---

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CONSTITUENT (Units in mg/kg)	SITE	03GP019	03GP019	03GP019	03GP020	03GP020
	DATE	10/28/96	10/28/96	10/28/96	10/28/96	10/28/96
DEPTH (ft)		4.00	8.00	12.00	4.00	8.00
RESULT TYPE	RBSL	Primary	Primary	Primary	Primary	Primary
Bis (2-ethylhexyl)- Phthalate	1406	---	---	---	---	---
Phenanthrene	0.52	---	---	---	---	---
Naphthalene	81.76	<0.25	<0.25	<0.25	<0.25	<0.25
2-Methylnaphthalene	130	<0.5	<0.5	<0.5	<0.5	<0.5
2-Methylphenol	102.2	---	---	---	---	---
2,4-Dimethylphenol	7.4	---	---	---	---	---
4-Methylphenol	102.2	---	---	---	---	---
Phenol	---	---	---	---	---	---
Pyrene	61.32	---	---	---	---	---

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CONSTITUENT (Units in mg/kg)	SITE	03GP020	03GP021	03GP021	03GP022	03GP022
	DATE	10/28/96	10/28/96	10/28/96	10/28/96	10/28/96
DEPTH (ft)	DEPTH (ft)	14.00	4.00	8.00	4.00	8.00
RESULT TYPE	RESULT TYPE	Primary	Primary	Primary	Primary	Primary
RBSL	RBSL					
Bis (2-ethylhexyl)- Phthalate	1406	---	---	---	---	---
Phenanthrene	0.52	---	---	---	---	---
Naphthalene	81.76	<0.25	<0.25	<0.25	<0.25	<0.25
2-Methylnaphthalene	130	<0.5	<0.5	<0.5	<0.5	<0.5
2-Methylphenol	102.2	---	---	---	---	---
2,4-Dimethylphenol	7.4	---	---	---	---	---
4-Methylphenol	102.2	---	---	---	---	---
Phenol	---	---	---	---	---	---
Pyrene	61.32	---	---	---	---	---

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CONSTITUENT (Units in mg/kg)	SITE	03GP022	03GP022	08GP004	08GP004	08GP004	08GP004
	DATE	10/28/96	10/28/96	10/08/96	10/08/96	10/08/96	10/08/96
DEPTH (ft)	DEPTH (ft)	12.00	12.00	8.00	12.00	16.00	16.00
RESULT TYPE	RESULT TYPE	Primary	Duplicate	Primary	Primary	Primary	Primary
	RBSL						
Bis (2-ethylhexyl)- Phthalate	1406	---	---	---	---	---	---
Phenanthrene	0.52	---	---	---	---	---	---
Naphthalene	81.76	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
2-Methylnaphthalene	130	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
2-Methylphenol	102.2	---	---	---	---	---	---
2,4-Dimethylphenol	7.4	---	---	---	---	---	---
4-Methylphenol	102.2	---	---	---	---	---	---
Phenol	---	---	---	---	---	---	---
Pyrene	61.32	---	---	---	---	---	---

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

Analytical Summary - SVOCs In Soils
 Alleged Former Disposal Area/Carbon Brake Expansion
 AlliedSignal Industrial Complex
 South Bend, Indiana

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CONSTITUENT	(Units in mg/kg)	SITE	11GP005	11GP005	11GP006	11GP006	11GP006	11GP006
		DATE	10/04/96	10/04/96	10/04/96	10/04/96	10/04/96	10/04/96
		DEPTH (ft)	8.00	12.00	4.00	8.00	12.00	
		RESULT TYPE	Primary	Primary	Primary	Primary	Primary	Primary
		RBSL						
Bis (2-ethylhexyl)- Phthalate		1406	---	---	---	---	---	---
Phenanthrene		0.52	---	---	---	---	---	---
Naphthalene		81.76	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
2-Methylnaphthalene		130	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
2-Methylphenol		102.2	---	---	---	---	---	---
2,4-Dimethylphenol		7.4	---	---	---	---	---	---
4-Methylphenol		102.2	---	---	---	---	---	---
Phenol			---	---	---	---	---	---
Pyrene		61.32	---	---	---	---	---	---

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

Analytical Summary - SVOCs In Soils
 Alleged Former Disposal Area/Carbon Brake Expansion
 AlliedSignal Industrial Complex
 South Bend, Indiana

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CONSTITUENT	(Units in mg/kg)	SITE	11GP007	11GP007	11GP007	11GP007	11GP008	11GP008
		DATE	10/05/96	10/05/96	10/05/96	10/05/96	10/16/96	10/16/96
		DEPTH (ft)	8.00	12.00	15.00	4.00	8.00	
		RESULT TYPE	Primary	Primary	Primary	Primary	Primary	Primary
		RBSL						
Bis (2-ethylhexyl)- Phthalate		1406	---	---	---	---	---	---
Phenanthrene		0.52	---	---	---	---	---	---
Naphthalene		81.76	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
2-Methylnaphthalene		130	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
2-Methylphenol		102.2	---	---	---	---	---	---
2,4-Dimethylphenol		7.4	---	---	---	---	---	---
4-Methylphenol		102.2	---	---	---	---	---	---
Phenol			---	---	---	---	---	---
Pyrene		61.32	---	---	---	---	---	---

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Analytical Summary - SVOCs In Soils
 Alleged Former Disposal Area/Carbon Brake Expansion
 AlliedSignal Industrial Complex
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CONSTITUENT	(Units in mg/kg)	SITE	DATE	DEPTH (ft)	RESULT TYPE	RBSL	11GP008	11GP009	11GP009	11GP009	11GP010
Bis (2-ethylhexyl)- Phthalate						1406	---	---	---	---	---
Phenanthrene						0.52	---	---	---	---	---
Naphthalene						81.76	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
2-Methylnaphthalene						130	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
2-Methylphenol						102.2	---	---	---	---	---
2,4-Dimethylphenol						7.4	---	---	---	---	---
4-Methylphenol						102.2	---	---	---	---	---
Phenol						---	---	---	---	---	---
Pyrene						61.32	---	---	---	---	---

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Analytical Summary - SVOCs In Soils
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CONSTITUENT (Units in mg/kg)	SITE	11GP010	11GP010
	DATE	12/17/96	12/17/96
	DEPTH (ft)	8.00	12.00
	RESULT TYPE	Primary	Primary
	RBSL		
Bis (2-ethylhexyl)- Phthalate		---	---
Phenanthrene	1406	---	---
	0.52	---	---
Naphthalene	81.76	<0.25	<0.25
2-Methylnaphthalene	130	<0.5	<0.5
2-Methylphenol	102.2	---	---
2,4-Dimethylphenol	7.4	---	---
4-Methylphenol	102.2	---	---
Phenol	---	---	---
Pyrene	61.32	---	---

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

Analytical Summary - TPH/DROs In Soils
Alleged Former Disposal Area/Carbon Brake Expansion
AlliedSignal Industrial Complex
South Bend, Indiana

SITE	DATE	DEPTH (ft)	RESULT TYPE	DRO/TPH 8015(SC REEN) (mg/kg)
RBSL				
03GP001	09/30/96	4.00	Primary	6400 PI
03GP001	09/30/96	8.00	Primary	6000 PI
03GP001	09/30/96	12.00	Primary	58
03GP002	09/30/96	2.00	Primary	157 PI
03GP002	09/30/96	8.00	Primary	<10
03GP002	09/30/96	12.00	Primary	<10
03GP003	09/30/96	4.00	Primary	13
03GP003	09/30/96	6.00	Primary	<10
03GP004	09/30/96	2.00	Primary	3300 PI
03GP004	09/30/96	10.00	Primary	3100 PI
03GP005	10/01/96	4.00	Primary	<10
03GP005	10/01/96	8.00	Primary	<10
03GP005	10/01/96	12.00	Primary	<10
03GP006	10/01/96	6.00	Primary	3800 PI
03GP006	10/01/96	10.00	Primary	29
03GP006	10/01/96	18.00	Primary	1100 PI
03GP007	10/01/96	4.00	Primary	12
03GP007	10/01/96	8.00	Primary	<10
03GP007	10/01/96	14.00	Primary	6700 PI
03GP008	10/01/96	2.00	Primary	270 PI
03GP008	10/01/96	6.00	Primary	<10
03GP008	10/01/96	8.00	Primary	<10
03GP008	10/01/96	8.00	Duplicate	<10
03GP009	10/02/96	4.00	Primary	<10
03GP009	10/02/96	8.00	Primary	<10
03GP009	10/02/96	10.00	Primary	<10
03GP010	10/02/96	4.00	Primary	<10
03GP010	10/02/96	6.00	Primary	<10
03GP010	10/02/96	12.00	Primary	<10
03GP011	10/02/96	6.00	Primary	770 PI
03GP011	10/02/96	14.00	Primary	250 PI
03GP011	10/02/96	22.00	Primary	190 PI
03GP012	10/02/96	8.00	Primary	5500 PI

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

For RCL TPH/DRO

Analytical Summary - TPH/DROs In Soils
 Alleged Former Disposal Area/Carbon Brake Expansion
 AlliedSignal Industrial Complex
 South Bend, Indiana

SITE	DATE	DEPTH (ft)	RESULT TYPE	DRO/TPH 8015(SC REEN) (mg/kg)
RBSL				
03GP012	10/02/96	16.00	Primary	<10
03GP012	10/02/96	20.00	Primary	<10
03GP013	10/02/96	8.00	Primary	<10
03GP013	10/02/96	12.00	Primary	<10
03GP013	10/02/96	18.00	Primary	<10
03GP014	10/03/96	8.00	Primary	360 PI
03GP014	10/03/96	12.00	Primary	890 PI
03GP014	10/03/96	16.00	Primary	24
03GP015	10/03/96	8.00	Primary	24
03GP015	10/03/96	12.00	Primary	<10
03GP015	10/03/96	14.00	Primary	28
03GP015	10/03/96	14.00	Duplicate	<10
03GP016	10/03/96	4.00	Primary	10
03GP016	10/03/96	8.00	Primary	11
03GP016	10/03/96	14.00	Primary	<10
03GP017	10/04/96	8.00	Primary	22
03GP017	10/04/96	12.00	Primary	44 J
03GP017	10/04/96	12.00	Duplicate	540
03GP017	10/04/96	15.00	Primary	73
03GP018	10/25/96	8.00	Primary	<10
03GP018	10/25/96	12.00	Primary	<10
03GP019	10/28/96	4.00	Primary	36
03GP019	10/28/96	8.00	Primary	<10
03GP019	10/28/96	12.00	Primary	<10
03GP020	10/28/96	4.00	Primary	74
03GP020	10/28/96	8.00	Primary	<10
03GP020	10/28/96	14.00	Primary	24
03GP021	10/28/96	4.00	Primary	14
03GP021	10/28/96	8.00	Primary	22
03GP022	10/28/96	4.00	Primary	<10
03GP022	10/28/96	8.00	Primary	<10
03GP022	10/28/96	12.00	Primary	<10
03GP022	10/28/96	12.00	Duplicate	<10

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For RCL TPH/DRO

Analytical Summary - TPH/DROs In Soils
Alleged Former Disposal Area/Carbon Brake Expansion
AlliedSignal Industrial Complex
South Bend, Indiana

SITE	DATE	DEPTH (ft)	RESULT TYPE	DRO/TPH 8015(SC REEN) (mg/kg)
RBSL				
08GP004	10/08/96	8.00	Primary	<10
08GP004	10/08/96	12.00	Primary	<10
08GP004	10/08/96	16.00	Primary	<10
11GP001	10/03/96	4.00	Primary	<10
11GP001	10/03/96	8.00	Primary	<10
11GP002	10/03/96	4.00	Primary	<10
11GP002	10/03/96	8.00	Primary	<10
11GP003	10/04/96	4.00	Primary	<10
11GP003	10/04/96	8.00	Primary	<10
11GP003	10/04/96	12.00	Primary	<10
11GP004	10/04/96	4.00	Primary	<10
11GP004	10/04/96	9.00	Primary	<10
11GP005	10/04/96	4.00	Primary	<10
11GP005	10/04/96	8.00	Primary	<10
11GP005	10/04/96	12.00	Primary	<10
11GP006	10/04/96	4.00	Primary	<10
11GP006	10/04/96	8.00	Primary	17
11GP006	10/04/96	12.00	Primary	<10
11GP007	10/05/96	8.00	Primary	<10
11GP007	10/05/96	12.00	Primary	<10
11GP007	10/05/96	15.00	Primary	740
11GP008	10/16/96	4.00	Primary	<10
11GP008	10/16/96	8.00	Primary	<10
11GP008	10/16/96	12.00	Primary	<10
11GP009	11/13/96	4.00	Primary	15
11GP009	11/13/96	10.00	Primary	12
11GP009	11/13/96	12.00	Primary	<10
11GP010	12/17/96	4.00	Primary	<10
11GP010	12/17/96	8.00	Primary	<10
11GP010	12/17/96	12.00	Primary	<10

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

For RCL TPH/DRO

Analytical Summary - PCBs In Soils
 Alleged Former Disposal Area/Carbon Brake Expansion
 AlliedSignal Industrial Complex
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CONSTITUENT	(Units in mg/kg)	SITE	DATE	DEPTH (ft)	RESULT TYPE	RBSL	03GP001	03GP004	03GP011	03GP014	03GP014
PCB-1254						10	< 9.6 PI	< 0.33	< 0.33	< 0.33	< 0.33
PCB-1248						10	[260] PI	1.5	< 0.33	0.97	< 0.33
									8.00	4.00	1.00
							Primary	Primary	Primary	Primary	Primary

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

|| = Greater than Action Level

For RCL PCB

Analytical Summary - PCBs In Soils
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 AlliedSignal Industrial Complex
 South Bend, Indiana

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CONSTITUENT	(Units in mg/kg)	SITE	DATE	DEPTH (ft)	RESULT TYPE	RBSL	03GP044	03GP045	03GP046	03GP047
PCB-1254			07/17/97	1.00	Primary	10	<0.86	<0.33	<0.33	<0.33
PCB-1248			07/17/97	1.00	Primary	10	9.1	1.1	0.91	[17]
			06/07/97	14.00	Primary		[21000]			
			07/17/97	1.00	Primary					
			06/07/97	8.00	Primary					
			06/07/97	12.00	Primary					

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed
 [] = Greater than Reporting Level
 For RCL PCB

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 AlliedSignal Industrial Complex
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CONSTITUENT	Units in mg/kg	SITE	DATE	DEPTH (ft)	RESULT TYPE	FBSL	03GP048	03GP049	03GP050	03GP050	03GP051
PCB-1254						10	< 0.33	< 0.33	< 0.33	< 0.46	< 0.33
PCB-1248						10	< 0.33	< 0.33	6.4	9.0	< 0.33
							Primary	Primary	Primary	Primary	Primary
							4.00	10.00	2.00	1.00	4.00

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Analytical Summary - PCBs In Soils
 Alleged Former Disposal Area/Carbon Brake Expansion
 AlliedSignal Industrial Complex
 South Bend, Indiana

CONSTITUENT	(Units in mg/kg)	SITE	03GP051	03GP052	03HA053	03HA054	03HA055
		DATE	07/14/97	06/07/97	07/14/97	07/14/97	07/17/97
		DEPTH (ft)	1.00	6.00	1.00	1.00	1.00
		RESULT TYPE	Primary	Primary	Primary	Primary	Primary
		RBSL					
PCB-1254		10	8.5	< 0.33	< 5.30	< 0.36	< 0.33
PCB-1248		10	0.43	< 0.33	[96]	4.9	< 0.33

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[] = Greater than Action Level

For RCL PCB

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 AlliedSignal Industrial Complex
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CONSTITUENT	SITE	DATE	DEPTH (ft)	RESULT	TYPE	RBSL
PCB-1254	03HA056	07/17/97	1.00	< 0.63	Primary	10
PCB-1248	03HA056	07/17/97	1.00	8.1	Primary	10
	03HA056	07/17/97	1.00	< 0.96	Duplicate	18
	03HA057	07/17/97	1.00	< 0.33	Primary	
	03HA057	07/17/97	1.00	< 0.33	Primary	

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

(I) = Greater than Action Level

For RCL PCB

Analytical Summary - Inorganics In Soils
 Alleged Former Disposal Area/Carbon Brake Expansion
 AlliedSignal Industrial Complex
 South Bend, Indiana

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CONSTITUENT	(Units in mg/kg)	SITE	03GP001	03GP001	03GP001	03GP001	03GP001	03GP001	03GP002
		DATE	09/30/96	09/30/96	09/30/96	09/30/96	09/30/96	09/30/96	09/30/96
		DEPTH (ft)	4.00	6.00	8.00	12.00	12.00	2.00	
		RESULT TYPE	Primary	Primary	Primary	Primary	Primary	Primary	Primary
		RBSL	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Arsenic, Total	438.00		7.2	3.8 J	1.4	1.5	1.5	7.7	
Barium, Total	10000		119	24	8.9	3.8	3.8	33	
Cadmium, Total	730.00		<1	<1	<1	<1	<1	<1	
Chromium, Total			10	12	<5	<5	<5	57	
Copper, Total	170000		14	11	3.9	3.6	3.6	19	
Lead, Total	400		19	8.9	<5	<5	<5	36	
Mercury, Total	87.6		0.15	<0.1	<0.1	<0.1	<0.1	0.7	
Nickel, Total	10000		13	13	5.2	2.3	2.3	7.8	
Selenium, Total	7300		0.77	<0.5 J	0.51	<0.5	<0.5	<0.5	
Silver, Total	7300		1.2	2.4	<1	<1	<1	1	
Zinc, Total	1000000		77	36	16	13	13	43	

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Analytical Summary - Inorganics In Soils
 Alleged Former Disposal Area/Carbon Brake Expansion
 AlliedSignal Industrial Complex
 South Bend, Indiana

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CONSTITUENT (Units in mg/Kg)	SITE	03GP002	03GP002	03GP003	03GP003	03GP004
	DATE	09/30/96	09/30/96	09/30/96	09/30/96	09/30/96
DEPTH (ft)	DEPTH (ft)	8.00	12.00	4.00	6.00	2.00
RESULT TYPE	RESULT TYPE	Primary	Primary	Primary	Primary	Primary
	RBSL					
Arsenic, Total	438.00	4	1	2.7	1.3	6.8
Barium, Total	10000	14	6.3	15	4.2	41
Cadmium, Total	730.00	<1	<1	<1	<1	<1
Chromium, Total		5.7	<5	5.5	<5	10
Copper, Total	170000	8.2	2.9	11	3	15
Lead, Total	400	<5	<5	6	<5	26
Mercury, Total	87.6	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Total	10000	4.9	3.9	7.3	2.4	5.1
Selenium, Total	7300	<0.5	<0.5	<0.5	<0.5	1
Silver, Total	7300	<1	<1	<1	<1	3.2
Zinc, Total	1000000	10	11	26	12	31

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Analytical Summary - Inorganics In Soils
 Alleged Former Disposal Area/Carbon Brake Expansion
 AlliedSignal Industrial Complex
 South Bend, Indiana

CONSTITUENT	(Units in mg/kg)	SITE	03GP004	03GP004	03GP004	03GP005	03GP005	03GP005	03GP005
		DATE	09/30/96	09/30/96	10/01/96	10/01/96	10/01/96	10/01/96	10/01/96
		DEPTH (ft)	8.00	10.00	4.00	8.00	12.00		
RESULT TYPE	RBSL	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Arsenic, Total	438.00		4	1.7	2.8	3.3	1.5		
Barium, Total	10000		8.5	5.6	13	39	4		
Cadmium, Total	730.00		<1	1.4	<1	1.8	<1		
Chromium, Total			<5	<5	<5	7.6	<5		
Copper, Total	170000		13	9.5	3	9.6	3.6		
Lead, Total	400		<5	<5	<5	<5	<5		
Mercury, Total	87.6		<0.1	<0.1	<0.1	<0.1	<0.1		
Nickel, Total	10000		6.4	5.5	2.2	28	3.4		
Selenium, Total	7300		<0.5	<0.5	<0.5	<0.5	<0.5		
Silver, Total	7300		<1	<1	1.3	1.4	<1		
Zinc, Total	1000000		19	37	7.4	154	20		

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Analytical Summary - Inorganics In Soils
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CONSTITUENT	(Units in mg/kg)	SITE	03GP006	03GP006	03GP006	03GP006	03GP007	03GP007
		DATE	10/01/96	10/01/96	10/01/96	10/01/96	10/01/96	10/01/96
DEPTH (ft)			6.00	10.00	18.00	4.00	8.00	
RESULT TYPE	RBSL	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Arsenic, Total	438.00	1.1	2.8	1.1	2	1.4	1	
Barium, Total	10000	5.4	29	5.4	36	26	5.1	
Cadmium, Total	730.00	<1	<1	<1	<1	<1	<1	
Chromium, Total		8.3	<5	8.3	13	6.5	<5	
Copper, Total	170000	7.4	18	7.4	11	6.9	5.7	
Lead, Total	400	<5	<5	<5	6.4	6.1	<5	
Mercury, Total	87.6	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Nickel, Total	10000	6.2	3.6	6.2	12	6.2	4.3	
Selenium, Total	7300	<0.5	0.75	<0.5	<0.5	<0.5	<0.5	
Silver, Total	7300	1.7	2.3	1.7	1.8	1.1	<1	
Zinc, Total	1000000	17	12	17	45	18	17	

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

For RCL INORG

Analytical Summary - Inorganics In Soils
 Alleged Former Disposal Area/Carbon Brake Expansion
 AlliedSignal Industrial Complex
 South Bend, Indiana

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CONSTITUENT	(Units in mg/kg)	SITE	03GP007	03GP008	03GP008	03GP008	03GP008	03GP008
DEPTH (ft)	DATE	DATE	10/01/96	10/01/96	10/01/96	10/01/96	10/01/96	10/01/96
RESULT TYPE	RBSL	Primary	Primary	Primary	Primary	Primary	Primary	Duplicate
Arsenic, Total	438.00	1.9	4.5	0.76	0.55	0.52		
Barium, Total	10000	8.1	30	4.3	4.7	4.3		
Cadmium, Total	730.00	<1	<1	<1	<1	<1		
Chromium, Total		9	53	<5	<5	<5		
Copper, Total	170000	6	15	3.9	2.9	2.6		
Lead, Total	400	<5	27	<5	<5	<5		
Mercury, Total	87.6	<0.1	0.16	<0.1	<0.1	<0.1		
Nickel, Total	10000	4.5	7.2	7.2	12	16		
Selenium, Total	7300	<0.5	<0.5	<0.5	<0.5	<0.5		
Silver, Total	7300	1.1	1.4	<1	<1	<1		
Zinc, Total	1000000	20	41	53	29	44		

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Analytical Summary - Inorganics In Soils
 Alleged Former Disposal Area/Carbon Brake Expansion
 AlliedSignal Industrial Complex
 South Bend, Indiana

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CONSTITUENT	(Units in mg/kg)	SITE	03GP009	03GP009	03GP009	03GP010	03GP010
		DATE	10/02/96	10/02/96	10/02/96	10/02/96	10/02/96
		DEPTH (ft)	4.00	8.00	10.00	4.00	6.00
		RESULT TYPE	Primary	Primary	Primary	Primary	Primary
	RBSL						
Arsenic, Total	438.00		0.75	1.7	4	0.82	0.65
Barium, Total	10000		4.3	4.8	61	4.1	3.3
Cadmium, Total	730.00		<1	<1	<1	<1	<1
Chromium, Total			<5	<5	12	<5	<5
Copper, Total	170000		3.7	3.8	23	3.1	2.4
Lead, Total	400		<5	<5	8	<5	<5
Mercury, Total	87.6		<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Total	10000		3.7	2.7	19	2.6	1.9
Selenium, Total	7300		<0.5	<0.5	<0.5	<0.5	<0.5
Silver, Total	7300		<1	<1	<1	<1	<1
Zinc, Total	1000000		9.8	12	52	9.1	7.3

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

For RCL INORG

Analytical Summary - Inorganics In Soils
 Alleged Former Disposal Area/Carbon Brake Expansion
 AlliedSignal Industrial Complex
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CONSTITUENT (Units in mg/kg)	SITE	03GP010	03GP011	03GP011	03GP011	03GP011	03GP011
	DATE	10/02/96	10/02/96	10/02/96	10/02/96	10/02/96	10/02/96
DEPTH (ft)		12.00	6.00	8.00	14.00	22.00	
RESULT TYPE	RBSL	Primary	Primary	Primary	Primary	Primary	Primary
Arsenic, Total	438.00	4.9	4.1	5.8	2.3	3.2	
Barium, Total	10000	7.7	42	21	8.4	12	
Cadmium, Total	730.00	<1	<1	<1	<1	<1	
Chromium, Total		<5	17	7.2	5.1	13	
Copper, Total	170000	3.6	22	6.8	5.1	7.6	
Lead, Total	400	<5	18	13	<5	<5	
Mercury, Total	87.6	<0.1	0.2	<0.1	<0.1	<0.1	
Nickel, Total	10000	3	6.5	3.5	8.3	12	
Selenium, Total	7300	<0.5	<0.5	0.57	<0.5	<0.5	
Silver, Total	7300	<1	<1	2.6	<1	<1	
Zinc, Total	1000000	10	37	14	43	45	

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

Analytical Summary - Inorganics In Soils
 Alleged Former Disposal Area/Carbon Brake Expansion
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CONSTITUENT (Units in mg/kg)	SITE			RBSL	DEPTH (ft)	DATE	RESULT TYPE
	03GP012	03GP012	03GP013				
Arsenic, Total	5.6	1.4	1.9	438.00	8.00	10/02/96	Primary
Barium, Total	72	5.3	11	10000	8.00	10/02/96	Primary
Cadmium, Total	<1	<1	<1	730.00	16.00	10/02/96	Primary
Chromium, Total	18	<5	31		20.00	10/02/96	Primary
Copper, Total	30	4.1	4.8	170000	8.00	10/02/96	Primary
Lead, Total	79	<5	<5	400	16.00	10/02/96	Primary
Mercury, Total	0.15	<0.1	<0.1	87.6	8.00	10/02/96	Primary
Nickel, Total	9.5	3.9	3.6	10000	20.00	10/02/96	Primary
Selenium, Total	<0.5	<0.5	<0.5	7300	8.00	10/02/96	Primary
Silver, Total	<1	<1	<1	7300	16.00	10/02/96	Primary
Zinc, Total	71	12	15	1000000	20.00	10/02/96	Primary

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Analytical Summary - Inorganics In Soils
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CONSTITUENT	(Units in mg/kg)	SITE	03GP013	03GP014	03GP014	03GP014	03GP014	03GP014	03GP014
		DATE	10/02/96	10/03/96	10/03/96	10/03/96	10/03/96	10/03/96	10/03/96
		DEPTH (ft)	18.00	4.00	8.00	12.00	16.00		
		RESULT TYPE	Primary	Primary	Primary	Primary	Primary	Primary	Primary
		RBSL							
Arsenic, Total	438.00		1.4	2.4	1.2	0.79	2.2		
Barium, Total	10000		6	28	40	3.6	12		
Cadmium, Total	730.00		<1	<1	<1	<1	<1		
Chromium, Total			12	10	7.2	<5	<5		
Copper, Total	170000		4.4	35	4.8	2.4	5.2		
Lead, Total	400		<5	21	5	<5	<5		
Mercury, Total	87.6		<0.1	<0.1	<0.1	<0.1	<0.1		
Nickel, Total	10000		3.1	6.4	4.4	2.3	5.2		
Selenium, Total	7300		<0.5	<0.57	<0.5	<0.5	<0.5		
Silver, Total	7300		<1	1.07	<1	<1	1		
Zinc, Total	1000000		12	517 J	11	9.3	18		

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed
 ? = Duplicate values found, Data review required.
 For RCL INOR

Analytical Summary - Inorganics In Soils
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 AlliedSignal Industrial Complex
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CONSTITUENT	(Units in mg/Kg)	SITE	03GP015	03GP015	03GP015	03GP015	03GP016
		DATE	10/03/96	10/03/96	10/03/96	10/03/96	10/03/96
		DEPTH (ft)	8.00	12.00	14.00	4.00	
		RESULT TYPE	Primary	Primary	Primary	Duplicate	Primary
	RBSL						
Arsenic, Total	438.00		3.4	0.88	2.5	1.3	5.1
Barium, Total	10000		60	5.1	5.1	4.8	35
Cadmium, Total	730.00		1	<1	<1	<1	<1
Chromium, Total			9.1	<5	<5	<5	5.1
Copper, Total	170000		28	2.3	2.9	2.6	20
Lead, Total	400		84	<5	<5	<5	24
Mercury, Total	87.6		<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Total	10000		11	2.3	3.2	3	6
Selenium, Total	7300		1.1	<0.5	<0.5	<0.5	<0.5
Silver, Total	7300		1.2	<1	<1	<1	1.7
Zinc, Total	1000000		48	8.8	11	13	36

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

Analytical Summary - Inorganics In Soils
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 AlliedSignal Industrial Complex
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CONSTITUENT	(Units in mg/kg)	SITE	03GP016	03GP016	03GP017	03GP017	03GP017	03GP017
		DATE	10/03/96	10/03/96	10/04/96	10/04/96	10/04/96	10/04/96
		DEPTH (ft)	8.00	14.00	8.00	12.00	12.00	12.00
		RESULT TYPE	Primary	Primary	Primary	Primary	Primary	Duplicate
	RBSL							
Arsenic, Total	438.00		4.5	2.6	2.7	3.3 J	1.4	
Barium, Total	10000		38	20	17	5	5.1	
Cadmium, Total	730.00		<1	<1	<1	<1	<1	
Chromium, Total			7.6	15	<5	<5	<5	
Copper, Total	170000		8.7	5.7	4.6	5.5	5.1	
Lead, Total	400		6.5	<5	<5	<5	<5	
Mercury, Total	87.6		<0.1	<0.1	<0.1	<0.1	<0.1	
Nickel, Total	10000		8.1	5.3	5.6	4.4	3.7	
Selenium, Total	7300		<0.5	<0.5	<0.5	<0.5	<0.5	
Silver, Total	7300		1.3	1	<1	<1	<1	
Zinc, Total	1000000		30	21	16	15	12	

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CONSTITUENT (Units in mg/kg)	SITE	03GP017	03GP018	03GP018	03GP019	03GP019
	DATE	10/04/96	10/25/96	10/25/96	10/28/96	10/28/96
	DEPTH (ft)	15.00	8.00	12.00	4.00	8.00
	RESULT TYPE	Primary	Primary	Primary	Primary	Primary
	RBSL					
Arsenic, Total	438.00	3.5	1.7	1.6	5.3	4.6
Barium, Total	10000	15	13	7.1	16	50
Cadmium, Total	730.00	<1	<1	<1	<1	<1
Chromium, Total		<5	<5	<5	5.4	9.8
Copper, Total	170000	7.5	2.9	3.9	6.3	9.1
Lead, Total	400	<5	<5	<5	6.6	<5
Mercury, Total	87.6	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Total	10000	6.5	5.2	4.3	3.9	15
Selenium, Total	7300	<0.5	<0.5	<0.5	<0.5	<0.5
Silver, Total	7300	1.3	<1	<1	2	1.4
Zinc, Total	1000000	24	23	24	12	70

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

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 Alleged Former Disposal Area/Carbon Brake Expansion
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CONSTITUENT	(Units in mg/kg)	SITE	DATE	DEPTH (ft)	RESULT TYPE	RBSL	03GP019	03GP020	03GP020	03GP020	03GP021
							10/28/96	10/28/96	10/28/96	10/28/96	10/28/96
							Primary	Primary	Primary	Primary	Primary
Arsenic, Total	438.00						0.84	2.2	4.3	2.8	1.7
Barium, Total	10000						4.3	12	9.1	8.6	4.2
Cadmium, Total	730.00						<1	<1	<1	<1	<1
Chromium, Total							<5	<5	<5	8.1	<5
Copper, Total	170000						3	11	4.3	5.2	4.6
Lead, Total	400						<5	<5	<5	<5	<5
Mercury, Total	87.6						<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Total	10000						4.2	8.5	1.9	7.2	4.8
Selenium, Total	7300						<0.5	<0.5	<0.5	<0.5	<0.5
Silver, Total	7300						<1	1.6	<1	<1	<1
Zinc, Total	1000000						12	52	<5	21	11

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CONSTITUENT (Units in mg/kg)	SITE	03GP021	03GP022	03GP022	03GP022	03GP022
	DATE	10/28/96	10/28/96	10/28/96	10/28/96	10/28/96
DEPTH (ft)	DEPTH (ft)	8.00	4.00	8.00	12.00	12.00
RESULT TYPE	RESULT TYPE	Primary	Primary	Primary	Primary	Duplicate
RBSL	RBSL					
Arsenic, Total	438.00	3.8	0.63	2.4	4.3	1.9
Barium, Total	10000	11	19	38	2.8	2.8
Cadmium, Total	730.00	<1	<1	<1	<1	<1
Chromium, Total		<5	<5	7.3	<5	<5
Copper, Total	170000	6.3	3.9	7.7	3	2.7
Lead, Total	400	<5	5	<5	<5	<5
Mercury, Total	87.6	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Total	10000	5.7	3.8	9.1	2.8	2.7
Selenium, Total	7300	<0.5	<0.5	<0.5	<0.5	<0.5
Silver, Total	7300	<1	<1	1.4	<1	<1
Zinc, Total	1000000	16	14	22	9.3	9.4

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CONSTITUENT	(Units in mg/kg)	SITE	08GP004	08GP004	08GP004	11GP001	11GP001
DEPTH (ft)	RESULT TYPE	DATE	10/08/96	10/08/96	10/08/96	10/03/96	10/03/96
	RBSL		8.00	12.00	16.00	4.00	8.00
			Primary	Primary	Primary	Primary	Primary
Arsenic, Total	438.00		1.9	0.7	1.8	0.85	
Barium, Total	10000		24	5	6	4.6	
Cadmium, Total	730.00		<1	7.6	<1	<1	
Chromium, Total			6.4	5.6	<5	<5	
Copper, Total	170000		6.9	9.3	6.3	2.6	
Lead, Total	400		<5	<5	5.2	<5	
Mercury, Total	87.6		<0.1	<0.1	<0.1	<0.1	
Nickel, Total	10000		5.5	7.3	4.6	2.4	
Selenium, Total	7300		0.53	<0.5	<0.5	<0.5	
Silver, Total	7300		<1	<1	<1	<1	
Zinc, Total	1000000		27	60	18	11	

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

Analytical Summary - Inorganics In Soils
 Alleged Former Disposal Area/Carbon Brake Expansion
 AlliedSignal Industrial Complex
 South Bend, Indiana

CONSTITUENT (Units in mg/Kg)	SITE DATE	DEPTH (ft)	RESULT TYPE	RBSL	11GP002 10/03/96	11GP002 10/03/96	11GP003 10/04/96	11GP003 10/04/96	11GP003 10/04/96
Arsenic, Total				438.00	2.2	0.85	1.6	0.4	2.5
Barium, Total				10000	5.6	3.8	5.3	3	10
Cadmium, Total				730.00	<1	<1	<1	<1	<1
Chromium, Total					<5	<5	<5	<5	5.5
Copper, Total				170000	3.9	2.3	3.8	3	6.4
Lead, Total				400	<5	<5	<5	<5	<5
Mercury, Total				87.6	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Total				10000	5.5	2.2	4.4	2.7	6.9
Selenium, Total				7300	<0.5	<0.5	<0.5	<0.5	<0.5
Silver, Total				7300	<1	<1	<1	<1	2.2
Zinc, Total				1000000	13	10	12	6.9	22

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Analytical Summary - Inorganics In Soils
 Alleged Former Disposal Area/Carbon Brake Expansion
 AlliedSignal Industrial Complex
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CONSTITUENT	(Units in mg/kg)	SITE	11GP004	11GP004	11GP005	11GP005	11GP005	11GP005
		DATE	10/04/96	10/04/96	10/04/96	10/04/96	10/04/96	10/04/96
		DEPTH (ft)	4.00	9.00	4.00	8.00	12.00	
		RESULT TYPE	Primary	Primary	Primary	Primary	Primary	Primary
	RBSL							
Arsenic, Total	438.00		1	0.7	1.7	1.9	38	
Barium, Total	10000		4.4	7.9	13	6.1	8.5	
Cadmium, Total	730.00		<1	<1	<1	<1	<1	
Chromium, Total			<5	19	<5	<5	5.4	
Copper, Total	170000		5.3	5	5.5	3.4	5.8	
Lead, Total	400		<5	<5	<5	<5	6	
Mercury, Total	87.6		<0.1	<0.1	<0.1	<0.1	<0.1	
Nickel, Total	10000		4.4	4.5	4	3.3	10	
Selenium, Total	7300		<0.5	<0.5	<0.5	<0.5	<0.5	
Silver, Total	7300		<1	<1	<1	<1	1.4	
Zinc, Total	1000000		13	15	16	12	20	

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Analytical Summary - Inorganics In Soils
 Alleged Former Disposal Area/Carbon Brake Expansion
 AlliedSignal Industrial Complex
 South Bend, Indiana

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CONSTITUENT	(Units in mg/kg)	SITE	11GP006	11GP006	11GP006	11GP007	11GP007
		DATE	10/04/96	10/04/96	10/04/96	10/05/96	10/05/96
		DEPTH (ft)	4.00	8.00	12.00	8.00	12.00
		RESULT TYPE	Primary	Primary	Primary	Primary	Primary
		RBSL					
Arsenic, Total	438.00		1.1	2	1.1	<0.25	0.92
Barium, Total	10000		4.5	6.1	4.4	3.7	6.6
Cadmium, Total	730.00		<1	<1	<1	<1	<1
Chromium, Total			<5	<5	<5	<5	<5
Copper, Total	170000		3.3	4.5	1.7	2.4	6
Lead, Total	400		<5	<5	<5	<5	<5
Mercury, Total	87.6		<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Total	10000		2.6	3.6	2.1	2.9	4.6
Selenium, Total	7300		<0.5	<0.5	<0.5	<0.5	<0.5
Silver, Total	7300		<1	<1	<1	<1	<1
Zinc, Total	1000000		11	17	6.8	8	16

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

Analytical Summary - Inorganics In Soils
 Alleged Former Disposal Area/Carbon Brake Expansion
 AlliedSignal Industrial Complex
 South Bend, Indiana

CONSTITUENT	(Units in mg/kg)	SITE	DATE	DEPTH (ft)	RESULT TYPE	RBSL	11GP007	11GP008	11GP008	11GP008	11GP009
							10/05/96	10/16/96	10/16/96	10/16/96	11/13/96
							Primary	Primary	Primary	Primary	Primary
Arsenic, Total						438.00	1.5	0.66	1.2	1.2	0.73
Barium, Total						10000	5.9	4	5.2	9.1	4.6
Cadmium, Total						730.00	<1	<1	<1	<1	<1
Chromium, Total							<5	<5	<5	5	<5
Copper, Total						170000	4.2	2.5	3.4	2.8	3.4
Lead, Total						400	<5	<5	<5	<5	<5
Mercury, Total						87.6	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Total						10000	4.6	2.8	3	4	3.2
Selenium, Total						7300	<0.5	<0.5	<0.5	<0.5	<0.5
Silver, Total						7300	1	<1	<1	<1	<1
Zinc, Total						1000000	18	9.1	13	10	11

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

Analytical Summary - Inorganics In Soils
 Alleged Former Disposal Area/Carbon Brake Expansion
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CONSTITUENT	(Units in mg/kg)	SITE	11GP009	11GP010	11GP009	11GP010	11GP010	11GP010	11GP010
		DATE	11/13/96	12/17/96	11/13/96	12/17/96	12/17/96	12/17/96	12/17/96
DEPTH (ft)			10.00	4.00	12.00	4.00	8.00	12.00	12.00
RESULT TYPE	FBSL		Primary	Primary	Primary	Primary	Primary	Primary	Primary
Arsenic, Total	438.00		1.3	9.4	9.4	1	0.82	2.1	2.1
Barium, Total	10000		23	77	77	5.1	4.4	8.8	8.8
Cadmium, Total	730.00		<1	<1	<1	<1	<1	<1	<1
Chromium, Total			9.9	16	16	<5	<5	<5	<5
Copper, Total	170000		8.5	27	27	3.2	1.8	4.4	4.4
Lead, Total	400		<5	11	11	<5	<5	<5	<5
Mercury, Total	87.6		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Total	10000		8	24	24	4.4	2.4	4.7	4.7
Selenium, Total	7300		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Silver, Total	7300		1.2	2.1	2.1	<1	<1	1.1	1.1
Zinc, Total	1000000		23	64	64	15	8.7	18	18

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

Analytical Summary - VOCs in Groundwater
 Alleged Former Disposal Area/Carbon Brake Expansion
 Voluntary Site Investigation
 AlliedSignal Industrial Complex
 South Bend, Indiana

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CONSTITUENT (Units in ug/l)	SITE	01CPT002	01CPT002	01CPT004	01CPT005	01CPT005
	SAMPLE ID	01CPW00287	01CPW00297	01CPW00458	01CPW00521	01CPW00585
DATE	DATE	11/19/96	11/19/96	11/21/96	12/04/96	12/04/96
RESULT TYPE	RBSL	Primary	Primary	Primary	Primary	Primary
Vinyl Chloride	2	<2	<2	<2	<10	<10
Ethylbenzene	700	<5	<5	<5	<5	<5
Toluene	1000	<5	<5	<5	<5	<5
Acetone	2100	<100	<100	<100	<100	<100
Naphthalene	4008	<5	<5	<5	<5	<5
1,1-Dichloroethane	10220	<5	<5	<5	<5	<5
1,2-Dichloroethane	5	<5	<5	<5	<5	<5
cis-1,2-Dichloroethene	70	<5	<5	<5	<5	<5
1,2-Dichloroethene (Total)		---	---	---	---	---
1,1,1-Trichloroethane	200	<5	<5	<5	<5	<5
Trichloroethene	5	<5	<5	<5	<5	<5

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

Analytical Summary - VOCs In Groundwater
 Alleged Former Disposal Area/Carbon Brake Expansion
 Voluntary Site Investigation
 AlliedSignal Industrial Complex
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CONSTITUENT (Units in ug/l)	SITE	SAMPLE ID	DATE	RBSL	RESULT TYPE		01CPT014	01CPT014	01CPT014	01CPT014	01CPT014	01CPT014
					Primary	Duplicate						
Vinyl Chloride		01CPW01425	07/23/97	2	<1	Primary	<1	<1	<1	<1	<1	<1
Ethylbenzene		01CPW01425	07/23/97	700	<1	Primary	<1	<1	<1	<1	<1	<1
Toluene		01CPW01425	07/23/97	1000	1.3	Primary	<1	<1	<1	<1	<1	<1
Acetone		01CPW01425	07/23/97	2100	62	Primary	<60	<60	<60	<60	<60	<60
Naphthalene		01CPW01425	07/23/97	4008	---	Primary	---	---	---	---	---	---
1,1-Dichloroethane		01CPW01425	07/23/97	10220	<1	Primary	<1	<1	<1	<1	<1	<1
1,2-Dichloroethane		01CPW01425	07/23/97	5	<1	Primary	<1	<1	<1	<1	<1	<1
cis-1,2-Dichloroethene		01CPW01425	07/23/97	70	---	Primary	---	---	---	---	---	---
1,2-Dichloroethene (Total)		01CPW01425	07/23/97		<2	Primary	<2	<2	<2	<2	<2	<2
1,1,1-Trichloroethane		01CPW01425	07/23/97	200	<1	Primary	<1	<1	<1	<1	<1	<1
Trichloroethene		01CPW01425	07/23/97	5	<1	Primary	<1	<1	<1	<1	<1	<1

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

Analytical Summary - VOCs in Groundwater
 Alleged Former Disposal Area/Carbon Brake Expansion
 Voluntary Site Investigation
 AlliedSignal Industrial Complex
 South Bend, Indiana

Page: 1C

Date: 11/25/97

CONSTITUENT	(Units in ug/l)	SITE	SAMPLE ID	DATE	RESULT TYPE	RBSL	01CPT014	01CPT014	01CPT014	03GP005	03GP006
							01CPW01465	01CPW01493	01CPW01478	03PW00521	03PW0620
							07/24/97	07/24/97	07/24/97	10/25/96	10/01/96
							Primary	Primary	Primary	Primary	Primary
Vinyl Chloride		2	<1	<1	<1	<1	<1	<1	<1	<10	<2
Ethylbenzene	700	<1	<1	<1	<1	<1	<1	<1	<5	<5	<5
Toluene	1000	<1	<1	<1	<1	<1	<1	<1	<5	<5	<5
Acetone	2100	<50	<50	<50	<50	<50	<50	<50	<100	<5	<5
Naphthalene	4008	---	---	---	---	---	---	---	<5	<5	<5
1,1-Dichloroethane	10220	<1	<1	<1	<1	<1	<1	<1	<5	<5	<5
1,2-Dichloroethane	5	<1	<1	<1	<1	<1	<1	<1	<5	<5	<5
cis-1,2-Dichloroethene	70	---	---	---	---	---	---	---	<5	<5	<5
1,2-Dichloroethane (Total)	200	<2	<2	<2	<2	<2	<2	<2	---	---	---
1,1,1-Trichloroethane	5	<1	<1	<1	<1	<1	<1	<1	<5	<5	<5
Trichloroethene									<5	<5	[180]

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

[] = Greater than Reporting Level

For RCL VOC1

Analytical Summary - VOCs in Groundwater
 Alleged Former Disposal Area/Carbon Brake Expansion
 Voluntary Site Investigation
 AlliedSignal Industrial Complex
 South Bend, Indiana

Page: 1D

Date: 11/25/97

CONSTITUENT	(Units in ug/l)	SITE	SAMPLE ID	DATE	RESULT TYPE	RBSL	03GP011	03GP012	08GP004	11GP001	11GP003
							03PW1125	03PW1223	08PW00422	11PW0115	11PW00316
							10/02/96	10/02/96	10/08/96	10/03/96	10/04/96
							Primary	Primary	Primary	Primary	Primary
Vinyl Chloride						2	<2	<2	<10	<100	<10
Ethylbenzene						700	<5	<5	<5	<250	6.4
Toluene						1000	<5	<5	<5	<250	<5
Acetone						2100	---	---	<100	---	<100
Naphthalene						4008	<5	<5	<5	<250	<5
1,1-Dichloroethane						10220	<5	<5	<5	<250	7.7
1,2-Dichloroethane						5	<5	<5	<5	<250	<5
cis-1,2-Dichloroethane						70	<5	[100]	<5	[2500]	<5
1,2-Dichloroethane (Total)							---	---	---	---	---
1,1,1-Trichloroethane						200	<5	17	<5	[440]	<5
Trichloroethane						5	<5	<5	<5	<250	<5

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

(I) = Greater than Action Level

For RCL VOC1

Analytical Summary - VOCs In Groundwater
 Alleged Former Disposal Area/Carbon Brake Expansion
 Voluntary Site Investigation
 AlliedSignal Industrial Complex
 South Bend, Indiana

Page: 1E

Date: 11/25/97

CONSTITUENT	(Units in ug/l)	SITE	11GP006	11GP009	7-25	7-25	7-25
		SAMPLE ID	11PW00617	11PW00918	7-25	7-25	7-25
		DATE	10/04/96	11/13/96	12/20/96	03/18/97	06/03/97
RESULT TYPE	RBSL	Primary	Primary	Primary	Primary	Primary	Primary
Vinyl Chloride	2	[130]	<5	[20]	<2	<10	<2
Ethylbenzene	700	<5	<5	<5	<5	<5	<5
Toluene	1000	<5	<5	<5	<5	<5	<5
Acetone	2100	<100	<100	<100	<100	<100	<100
Naphthalene	4008	<5	<5	<5	<5	---	---
1,1-Dichloroethane	10220	25	26	26	<5	<5	<5
1,2-Dichloroethane	5	<5	[7.6]	[7.6]	<5	<5	<5
cis-1,2-Dichloroethane	70	[79]	[310]	[310]	<5	<5	<5
1,2-Dichloroethane (Total)		---	---	---	---	---	---
1,1,1-Trichloroethane	200	24	56	56	<5	<5	<5
Trichloroethane	5	<5	<5	<5	<5	<5	<5

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

[] = Greater than Reporting Level

For RCL VOCs

Analytical Summary - VOCs In Groundwater
 Alleged Former Disposal Area/Carbon Brake Expansion
 Voluntary Site Investigation
 AlliedSignal Industrial Complex
 South Bend, Indiana

Page: 1F

Date: 11/25/97

CONSTITUENT	Units in ug/l	SITE	7-25	7-25	7-50	MW-2	MW-2
		SAMPLE ID	7-25	7-25	7-50	MW-2	MW-2
		DATE	07/18/97	09/25/97	07/18/97	12/20/96	03/18/97
		RESULT TYPE	Primary	Primary	Primary	Primary	Primary
	RBSL						
Vinyl Chloride	2		< 2	< 10	< 2	< 2	< 250
Ethylbenzene	700		< 5	< 5.0	< 5	< 5	< 130
Toluene	1000		< 5	< 5.0	< 5	< 5	< 130
Acetone	2100		< 100	< 100	< 100	< 100	< 2500
Naphthalene	4008		---	---	---	ND#	---
1,1-Dichloroethane	10220		< 5	< 5.0	< 5	7.0	< 130
1,2-Dichloroethane	5		< 5	< 5.0	< 5	< 5	< 130
cis-1,2-Dichloroethene	70		< 5	< 5.0	< 5	[140]	[2400]
1,2-Dichloroethene (Total)			2.2	---	< 2	---	---
1,1,1-Trichloroethane	200		< 5	< 5.0	< 5	34	[880]
Trichloroethene	5		< 5	< 5.0	< 5	< 5	[170]

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed
 # = Constituent in more than one test method, highest result reported. [] = Greater than Action Level ND = Not Detected
 For RCL VOC 1

Analytical Summary - VOCs In Groundwater
 Alleged Former Disposal Area/Carbon Brake Expansion
 Voluntary Site Investigation
 AlliedSignal Industrial Complex
 South Bend, Indiana

CONSTITUENT (Units in ug/l)	SITE	MW-2	MW-2	MW-3	MW-3	MW-3	MW-3
	SAMPLE ID	06/05/97	09/26/97	12/20/96	03/18/97	03/18/97	03/18/97
	DATE	Primary	Primary	Primary	Primary	Primary	Duplicate
	RESULT TYPE	RBSL					
Vinyl Chloride		2	[70]	<2	<10	<10	<10
Ethylbenzene		700	<25	<5	<5	<5	<5
Toluene		1000	<25	<5	<5	<5	<5
Acetone		2100	<500	<100	<100	<100	<100
Naphthalene		4008	---	<5	---	---	---
1,1-Dichloroethane		10220	190	<5	<5	<5	<5
1,2-Dichloroethane		5	[49]	<5	<5	<5	<5
cis-1,2-Dichloroethane		70	[2600]	[76]	38	39	39
1,2-Dichloroethane (Total)			---	---	---	---	---
1,1,1-Trichloroethane		200	[500]	9.3	<5	<5	<5
Trichloroethane		5	[36]	[6.8]	[6.2]	[6]	[6]

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed
 [] = Greater than Reporting Level
 For RCL VOC's

Analytical Summary - VOCs in Groundwater
 Alleged Former Disposal Area/Carbon Brake Expansion
 Voluntary Site Investigation
 AlliedSignal Industrial Complex
 South Bend, Indiana

Page: 1H

Date: 11/25/97

CONSTITUENT (Units in ug/l)	SITE	MW-3	MW-3	DATE	DATE	RESULT TYPE	RBSL
Vinyl Chloride							
Ethylbenzene							
Toluene							
Acetone							
Naphthalene							
1,1-Dichloroethane							
1,2-Dichloroethane							
cis-1,2-Dichloroethane							
1,2-Dichloroethane (Total)							
1,1,1-Trichloroethane							
Trichloroethane							

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

|| = Greater than Action Level

For RCL VOC1

Analytical Summary - PCBs in Groundwater
 Alleged Former Disposal Area/Carbon Brake Expansion
 Voluntary Site Investigation
 AlliedSignal Industrial Complex
 South Bend, Indiana

Page: 1A

Date: 11/12/97

CONSTITUENT	(Units in ug/l)	SITE	SAMPLE ID	DATE	RESULT TYPE	RBSL
PCB-1242		7-25	7-50	07/18/97	Primary	0.5
		MW-2	MW-2	12/20/96	Primary	[1.1]
		MW-2	MW-2	07/18/97	Primary	< 0.5
		MW-3	MW-3	07/18/97	Primary	< 0.5

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed
 [] = Greater than Reporting Level

Analytical Summary - Inorganics in Groundwater
 Alleged Former Disposal Area/Carbon Brake Expansion
 Voluntary Site Investigation
 AlliedSignal Industrial Complex
 South Bend, Indiana

Page: 1A

Date: 11/12/97

CONSTITUENT	(Units in ug/l)	SITE	03GP005	03GP006	03GP011	03GP012	11GP001
		SAMPLE ID	03PW0521	03PW0620	03PW1125	03PW1223	11PW0115
		DATE	10/25/96	10/01/96	10/02/96	10/02/96	10/03/96
		RESULT TYPE	Primary	Primary	Primary	Primary	Primary
	RBSL						
Cyanide	200		---	---	---	---	---
Barium, Dissolved (Filtered)	2000		28	63	100	89.8	130
Cadmium, Dissolved (Filtered)	5		<0.2	<0.2	<0.2	<0.2	<0.2
Copper, Dissolved (Filtered)	1300		12	<10	<10	<10	<10
Chromium, Total			---	---	---	---	---
Lead, Total			---	---	---	---	---

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

Analytical Summary - Inorganics in Groundwater
 Alleged Former Disposal Area/Carbon Brake Expansion
 Voluntary Site Investigation
 AlliedSignal Industrial Complex
 South Bend, Indiana

Page: 1B

Date: 11/12/97

CONSTITUENT (Units in ug/l)	SITE	11GP003	11GP006	7-25	7-25	7-25	7-25	09/25/97
	SAMPLE ID	11PW00316	11PW00617	10/04/96	10/04/96	12/20/96	03/18/97	Primary
	DATE	Primary	Primary	Primary	Primary	Primary	Primary	Primary
	RESULT TYPE	RBSL						
Cyanide		200	---	---	ND	ND	< 5	< 5
Barium, Dissolved (Filtered)		2000	61	140	55	---	---	---
Cadmium, Dissolved (Filtered)		5	< 0.2	< 0.2	0.7	---	---	---
Copper, Dissolved (Filtered)		1300	< 10	< 10	< 10	---	---	---
Chromium, Total			---	---	---	7	---	---
Lead, Total			---	---	---	27	---	---

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

ND = Not Det

For RCL INOR.

Analytical Summary - Inorganics in Groundwater
 Alleged Former Disposal Area/Carbon Brake Expansion
 Voluntary Site Investigation
 AlliedSignal Industrial Complex
 South Bend, Indiana

CONSTITUENT	(Units in ug/l)	SITE	MW-2	MW-2	MW-2	MW-3	MW-3
		SAMPLE ID					
		DATE	12/20/96	03/18/97	09/26/97	12/20/96	03/18/97
	RBSL	RESULT TYPE	Primary	Primary	Primary	Primary	Primary
Cyanide	200	ND	<5	<5	<5	ND	<5
Barium, Dissolved (Filtered)	2000	150	---	---	---	100	---
Cadmium, Dissolved (Filtered)	5	<0.2	---	---	---	<0.2	---
Copper, Dissolved (Filtered)	1300	<10	---	---	---	<10	---
Chromium, Total		---	<5	---	---	---	9.8
Lead, Total		---	12	---	---	---	3.6

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

ND = Not Detected

For RCL INORG

Analytical Summary - Inorganics in Groundwater
 Alleged Former Disposal Area/Carbon Brake Expansion
 Voluntary Site Investigation
 AlliedSignal Industrial Complex
 South Bend, Indiana

CONSTITUENT (Units in ug/l)	SITE	MW-3	MW-3	DATE	RESULT TYPE	RBSL
Cyanide	MW-3	MW-3	03/18/97	Duplicate	200	< 5
Barium, Dissolved (Filtered)	MW-3	MW-3	09/26/97	Primary	2000	< 5
Cadmium, Dissolved (Filtered)					5	---
Copper, Dissolved (Filtered)					1300	---
Chromium, Total					20	---
Lead, Total					19	---

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

Analytical Summary - SVOCs In Soils
 Alleged Former Disposal Area/Carbon Brake Expansion
 AlliedSignal Industrial Complex
 South Bend, Indiana

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Date: 11/25/97

CONSTITUENT	(Units in mg/kg)	SITE	11GP001	11GP001	11GP002	11GP002	11GP002	11GP003	11GP003
		DATE	10/03/96	10/03/96	10/03/96	10/03/96	10/03/96	10/04/96	10/04/96
		DEPTH (ft)	4.00	4.00	4.00	4.00	8.00	4.00	4.00
		RESULT TYPE	Primary	Primary	Primary	Primary	Primary	Primary	Primary
		RBSL							
Bis (2-ethylhexyl)- Phthalate		1406	---	---	---	---	---	---	---
Phenanthrene		0.52	---	---	---	---	---	---	---
Naphthalene		81.76	<0.25	<0.25	<0.53	<0.25	<0.25	<0.25	<0.25
2-Methylnaphthalene		130	<0.5	<0.5	<1.1	<0.5	<0.5	<0.5	<0.5
2-Methylphenol		102.2	---	---	---	---	---	---	---
2,4-Dimethylphenol		7.4	---	---	---	---	---	---	---
4-Methylphenol		102.2	---	---	---	---	---	---	---
Phenol			---	---	---	---	---	---	---
Pyrene		61.32	---	---	---	---	---	---	---

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

For RCL SVOC

Analytical Summary - SVOCs In Soils
 Alleged Former Disposal Area/Carbon Brake Expansion
 AlliedSignal Industrial Complex
 South Bend, Indiana

Page: 1Q

Date: 11/25/97

CONSTITUENT	(Units in mg/kg)	SITE	11GP003	11GP003	11GP004	11GP004	11GP005
		DATE	10/04/96	10/04/96	10/04/96	10/04/96	10/04/96
		DEPTH (ft)	8.00	12.00	9.00	4.00	4.00
		RESULT TYPE	Primary	Primary	Primary	Primary	Primary
		RBSL					
Bis (2-ethylhexyl)- Phthalate		1406	---	---	---	---	---
Phenanthrene		0.52	---	---	---	---	---
Naphthalene		81.76	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
2-Methylnaphthalene		130	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
2-Methylphenol		102.2	---	---	---	---	---
2,4-Dimethylphenol		7.4	---	---	---	---	---
4-Methylphenol		102.2	---	---	---	---	---
Phenol			---	---	---	---	---
Pyrene		61.32	---	---	---	---	---

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

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(317) 232-8603
(800) 451-6027
www.ai.org/idem

June 19, 1998

Mark Burgess
Camp Dresser & McKee, Inc.
401 Pennsylvania Parkway, Suite 104
Indianapolis, IN 46280

Dear Mr. Burgess:

Re: Cost Estimate for VRP Site 6980601

The Indiana Department of Environmental Management (IDEM) has determined that the Allied Signal Inc. facility in South Bend, Indiana is eligible for the Voluntary Remediation Program. The VRP site identification number is 6980601. Please reference this number in all future correspondence.

The IDEM needs to complete the technical review of various reports for this site. The Department is reviewing alternative means of accomplishing this task. One such alternative is to assign these projects to a company now under a Master Agreement to provide technical reviews. To evaluate this alternative further, your company, as a party to such a Master Agreement, is being asked to respond to the requests for information set out below.

This is not an Invitation of Bid nor a Request for Proposal under the Indiana Procurement Code, IC 4-13.4-5, et seq. The IDEM creates no obligation, express or implied, by making this request for information or by receipt of any information or documentation submitted pursuantly hereto. Neither this request for information nor anything submitted in response hereto is to be construed as a legal offer. Should the IDEM decide to assign such technical review work under the terms of such a Master Agreement it will do so at its sole discretion. Under the provisions of the Master Agreement an assignment is made upon the proper execution of a "Supplement to Master Agreement." The Master Agreement does not obligate the IDEM to assign a certain number of projects or any projects at all to your company. Any assignment of work under the Master Agreement is solely at the discretion of the IDEM.

Enclosed is a copy of the sites' VRP application. Please remember that the application, and its information, is confidential and may not be discussed outside the IDEM.

Please prepare a cost estimate for the technical review of the following documents for the site:

- Phase II Investigation Report
- Remediation Work Plan
- Risk Assessment Review
- Remediation Completion Report

Work to Be Performed

1. Provide Technical Support for the VRP project. This will include the technical review of the previously mentioned reports, the interpretation of collected data, and serve in an advisory role to the assigned IDEM VRP Project Manager.
2. If requested, the assigned VRP Project Manager may call upon your company for the collection of confirmatory split samples. However, estimating sampling costs before the review of a Remediation Work Plan is difficult. Sampling costs estimates will be handled through a "Addendum to the Master Supplement Agreement" that your company will submit to the IDEM.
3. For the purposes of cost estimates, please include two (2) site visits.
4. We expect a formal written review within thirty days of document receipt (should you require additional time, please contact the assigned VRP Project Manager).

Cost Estimate Response Format

Your submittal will not be considered complete, and will be ineligible for award, if you do not include all of the information as requested below. With regard the VRP site, please include the following:

1. A statement of interest in the VRP project. Specify in writing, if a conflict of interest exists with the VRP applicant, its parent company, subsidiaries, and/or contractors that preclude your company from our selection process.
2. A narrative that demonstrates the company's understanding of the project. This should include a description of your company's approach to the project. Please include the professional level of designated staff for the project activities.
3. Specific information regarding your company's qualifications and staff experience in performing the technical reviews for the VRP.
4. If applicable, company qualifications and staff experience in performing human health and ecological risk assessments. Reference company and staff experience with the formulation and technical review of site-specific baseline risk assessments.
5. A detailed cost proposal must include:
 - The subtotals for conducting each task outlined above; and
 - A total project cost
6. A schedule for conducting the report reviews.

The IDEM will evaluate the information packages with regards to the following:

- | | |
|---|--|
| <input type="checkbox"/> Overall & Itemized Costs | <input type="checkbox"/> Narrative Approach to Project |
| <input type="checkbox"/> Similar Project Experience | <input type="checkbox"/> Human Health & Ecological Risk Assessment Experience |
| <input type="checkbox"/> Familiarity with VRP Process | <input type="checkbox"/> Quality of Past VRP Project Performance, <i>if applicable</i> |

Mark Burgess, Camp, Dresser & McKee Inc.

VRP Cost Estimate Request

Site #6980401 Page 3

Please note that if your proposal is selected, The IDEM will hold you to the staff effort identified in your proposal. Failure to comply with your proposal statements may result in a reduction in payment or nonpayment. However, if the scope of work changes at these sites, we will request that you submit amended cost estimate proposals to cover these unforeseen project activities.

I will expect to receive a cost estimates within two (2) weeks of your receipt of this correspondence. If questions arise, please contact Steve Browning at 317-308-3066.

Sincerely,



Ed Joniskan, Project Manager
Voluntary Remediation Program
Office of Environmental Response

Enclosure



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

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www.ai.org/idem

June 19, 1998

Mark Burgess
Camp Dresser & McKee, Inc.
401 Pennsylvania Parkway, Suite 104
Indianapolis, IN 46280

Dear Mr. Burgess:

Re: Cost Estimate for VRP Site 6980601

The Indiana Department of Environmental Management (IDEM) has determined that the Allied Signal Inc. facility in South Bend, Indiana is eligible for the Voluntary Remediation Program. The VRP site identification number is 6980601. Please reference this number in all future correspondence.

The IDEM needs to complete the technical review of various reports for this site. The Department is reviewing alternative means of accomplishing this task. One such alternative is to assign these projects to a company now under a Master Agreement to provide technical reviews. To evaluate this alternative further, your company, as a party to such a Master Agreement, is being asked to respond to the requests for information set out below.

This is not an Invitation of Bid nor a Request for Proposal under the Indiana Procurement Code, IC 4-13.4-5, et seq. The IDEM creates no obligation, express or implied, by making this request for information or by receipt of any information or documentation submitted pursuantly hereto. Neither this request for information nor anything submitted in response hereto is to be construed as a legal offer. Should the IDEM decide to assign such technical review work under the terms of such a Master Agreement it will do so at its sole discretion. Under the provisions of the Master Agreement an assignment is made upon the proper execution of a "Supplement to Master Agreement." The Master Agreement does not obligate the IDEM to assign a certain number of projects or any projects at all to your company. Any assignment of work under the Master Agreement is solely at the discretion of the IDEM.

Enclosed is a copy of the sites' VRP application. Please remember that the application, and its information, is confidential and may not be discussed outside the IDEM.

Please prepare a cost estimate for the technical review of the following documents for the site:

- Phase II Investigation Report
- Remediation Work Plan
- Risk Assessment Review
- Remediation Completion Report

Work to Be Performed

1. Provide Technical Support for the VRP project. This will include the technical review of the previously mentioned reports, the interpretation of collected data, and serve in an advisory role to the assigned IDEM VRP Project Manager.
2. If requested, the assigned VRP Project Manager may call upon your company for the collection of confirmatory split samples. However, estimating sampling costs before the review of a Remediation Work Plan is difficult. Sampling costs estimates will be handled through a "Addendum to the Master Supplement Agreement" that your company will submit to the IDEM.
3. For the purposes of cost estimates, please include two (2) site visits.
4. We expect a formal written review within thirty days of document receipt (should you require additional time, please contact the assigned VRP Project Manager).

Cost Estimate Response Format

Your submittal will not be considered complete, and will be ineligible for award, if you do not include all of the information as requested below. With regard the VRP site, please include the following:

1. A statement of interest in the VRP project. Specify in writing, if a conflict of interest exists with the VRP applicant, its parent company, subsidiaries, and/or contractors that preclude your company from our selection process.
2. A narrative that demonstrates the company's understanding of the project. This should include a description of your company's approach to the project. Please include the professional level of designated staff for the project activities.
3. Specific information regarding your company's qualifications and staff experience in performing the technical reviews for the VRP.
4. If applicable, company qualifications and staff experience in performing human health and ecological risk assessments. Reference company and staff experience with the formulation and technical review of site-specific baseline risk assessments.
5. A detailed cost proposal must include:
 - The subtotals for conducting each task outlined above; and
 - A total project cost
6. A schedule for conducting the report reviews.

The IDEM will evaluate the information packages with regards to the following:

- | | |
|---|--|
| <input type="checkbox"/> Overall & Itemized Costs | <input type="checkbox"/> Narrative Approach to Project |
| <input type="checkbox"/> Similar Project Experience | <input type="checkbox"/> Human Health & Ecological Risk Assessment Experience |
| <input type="checkbox"/> Familiarity with VRP Process | <input type="checkbox"/> Quality of Past VRP Project Performance, <i>if applicable</i> |

Please note that if your proposal is selected, The IDEM will hold you to the staff effort identified in your proposal. Failure to comply with your proposal statements may result in a reduction in payment or nonpayment. However, if the scope of work changes at these sites, we will request that you submit amended cost estimate proposals to cover these unforeseen project activities.

I will expect to receive a cost estimates within two (2) weeks of your receipt of this correspondence. If questions arise, please contact Steve Browning at 317-308-3066.

Sincerely,



Ed Joniskan, Project Manager
Voluntary Remediation Program
Office of Environmental Response

Enclosure



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We make Indiana a cleaner, healthier place to live

Frank O'Bannon
Governor

John M. Hamilton
Commissioner

100 North Senate Avenue
P.O. Box 6015
Indianapolis, Indiana 46206-6015
(317) 232-8603
(800) 451-6027
www.ai.org/idem

June 19, 1998

Rudy Fields
Earth Tech
5010 Stone Mill Road
Bloomington IN 47408

Dear Mr. Fields:

Re: Cost Estimate for VRP Site 6980601

The Indiana Department of Environmental Management (IDEM) has determined that the Allied Signal Inc. facility in South Bend, Indiana is eligible for the Voluntary Remediation Program. The VRP site identification number is 6980601. Please reference this number in all future correspondence.

The IDEM needs to complete the technical review of various reports for this site. The Department is reviewing alternative means of accomplishing this task. One such alternative is to assign these projects to a company now under a Master Agreement to provide technical reviews. To evaluate this alternative further, your company, as a party to such a Master Agreement, is being asked to respond to the requests for information set out below.

This is not an Invitation of Bid nor a Request for Proposal under the Indiana Procurement Code, IC 4-13.4-5, et seq. The IDEM creates no obligation, express or implied, by making this request for information or by receipt of any information or documentation submitted pursuantly hereto. Neither this request for information nor anything submitted in response hereto is to be construed as a legal offer. Should the IDEM decide to assign such technical review work under the terms of such a Master Agreement it will do so at its sole discretion. Under the provisions of the Master Agreement an assignment is made upon the proper execution of a "Supplement to Master Agreement." The Master Agreement does not obligate the IDEM to assign a certain number of projects or any projects at all to your company. Any assignment of work under the Master Agreement is solely at the discretion of the IDEM.

Enclosed is a copy of the sites' VRP application. Please remember that the application, and its information, is confidential and may not be discussed outside the IDEM.

Please prepare a cost estimate for the technical review of the following documents for the site:

- Phase II Investigation Report
- Remediation Work Plan
- Risk Assessment Review
- Remediation Completion Report

Work to Be Performed

1. Provide Technical Support for the VRP project. This will include the technical review of the previously mentioned reports, the interpretation of collected data, and serve in an advisory role to the assigned IDEM VRP Project Manager.
2. If requested, the assigned VRP Project Manager may call upon your company for the collection of confirmatory split samples. However, estimating sampling costs before the review of a Remediation Work Plan is difficult. Sampling costs estimates will be handled through a "Addendum to the Master Supplement Agreement" that your company will submit to the IDEM.
3. For the purposes of cost estimates, please include two (2) site visits.
4. We expect a formal written review within thirty days of document receipt (should you require additional time, please contact the assigned VRP Project Manager).

Cost Estimate Response Format

Your submittal will not be considered complete, and will be ineligible for award, if you do not include all of the information as requested below. With regard the VRP site, please include the following:

1. A statement of interest in the VRP project. Specify in writing, if a conflict of interest exists with the VRP applicant, its parent company, subsidiaries, and/or contractors that preclude your company from our selection process.
2. A narrative that demonstrates the company's understanding of the project. This should include a description of your company's approach to the project. Please include the professional level of designated staff for the project activities.
3. Specific information regarding your company's qualifications and staff experience in performing the technical reviews for the VRP.
4. If applicable, company qualifications and staff experience in performing human health and ecological risk assessments. Reference company and staff experience with the formulation and technical review of site-specific baseline risk assessments.
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Sincerely,



Ed Joniskan, Project Manager
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